

### MULTILAYER CERAMIC CHIP CAPACITORS



C Series Commercial Grade General (Up to 50V)

Type: C0402 [EIA CC01005]

C0603 [EIA CC0201] C1005 [EIA CC0402] C1608 [EIA CC0603] C2012 [EIA CC0805] C3216 [EIA CC1206] C3225 [EIA CC1210] C4532 [EIA CC1812]

C5750 [EIA CC2220]

Issue date: July 2013





### REMINDERS

Please read before using this product

### SAFETY REMINDERS



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#### (Example)

Catalog Issued date	TDK Part Number (In Catalog)	TDK Item Description (On Delivery Label)
Prior to January 2013	C1608C0G1E103J	C1608C0G1E103JT000N
January 2013 and Later	C1608C0G1E103J080AA	C1608C0G1E103JT000N

### MULTILAYER CERAMIC CHIP CAPACITORS



# C Series General (Up to 50V)







Type: C0402 [EIA CC01005], C0603 [EIA CC0201], C1005 [EIA CC0402], C1608 [EIA CC0603], C2012 [EIA CC0805], C3216 [EIA CC1206], C3225 [EIA CC1210], C4532 [EIA CC1812], C5750 [EIA CC2220]

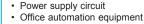
#### **Features**



- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers.
- A monolithic structure ensures superior mechanical strength and reliability.
- Low ESL and excellent frequency characteristics allow for a circuit design that closely conforms to theoretical values.
- · Low self-heating and high ripple resistance due to low ESR.

#### **Applications**







Servers, PCs, Notebooks, Tablets

· Mobile communication equipment

· General electronic equipment







L	Body Length
W	Body Width
Т	Body Height
_	Terminal Width



### C

Part Number Construction

C • 3225 • X7R • 1H • 106 • M • 250 • A • C

#### Series Name •

#### Dimensions L x W (mm)

Length	Width	Terminal
$0.40 \pm 0.02$	0.20 ± 0.02	0.07 min.
$0.60 \pm 0.03$	$0.30 \pm 0.03$	0.10 min.
1.00 ± 0.05	$0.50 \pm 0.05$	0.10 min.
1.60 ± 0.10	$0.80 \pm 0.10$	0.20 min.
$2.00 \pm 0.20$	1.25 ± 0.20	0.20 min.
$3.20 \pm 0.20$	1.60 ± 0.20	0.20 min.
$3.20 \pm 0.40$	$2.50 \pm 0.30$	0.20 min.
$4.50 \pm 0.40$	$3.20 \pm 0.40$	0.20 min.
$5.70 \pm 0.40$	$5.00 \pm 0.40$	0.20 min.
	$0.40 \pm 0.02$ $0.60 \pm 0.03$ $1.00 \pm 0.05$ $1.60 \pm 0.10$ $2.00 \pm 0.20$ $3.20 \pm 0.20$ $3.20 \pm 0.40$ $4.50 \pm 0.40$	$ \begin{array}{cccc} 0.40 \pm 0.02 & 0.20 \pm 0.02 \\ 0.60 \pm 0.03 & 0.30 \pm 0.03 \\ 1.00 \pm 0.05 & 0.50 \pm 0.05 \\ 1.60 \pm 0.10 & 0.80 \pm 0.10 \\ 2.00 \pm 0.20 & 1.25 \pm 0.20 \\ 3.20 \pm 0.20 & 1.60 \pm 0.20 \\ 3.20 \pm 0.40 & 2.50 \pm 0.30 \\ 4.50 \pm 0.40 & 3.20 \pm 0.40 \\ \end{array} $

\*Dimension tolerance are typical values

#### Temperature Characteristics •

Temperature Characteristics	Capacitance Change	Temperature Range
CH	0±60 ppm/°C	-25 to +85°C
COG	0±30 ppm/°C	-55 to +125°C
JB	±10%	-25 to +85°C
X5R	±15%	-55 to +85°C
X6S	±22%	-55 to +105°C
X7R	±15%	-55 to +125°C
X7S	±22%	-55 to +125°C

#### Rated Voltage (DC) •

Code	voitage (DC)
0G	4V
0J	6.3V
1A	10V
1C	16V
1E	25V
1V	35V
1H	50V

#### Nominal Capacitance (pF)

The capacitance is expressed in three digit codes and in units of pico Farads (pF). The first and second digits identify the first and second significant figures of the capacitance. The third digit identifies the multiplier. R designates a decimal point.

Ex. 0R2 = 0.2pF; 103 = 10,000pF; 105 = 1,000,000pF = 1,000nF = 1µF

#### Capacitance Tolerance •

Code	Tolerance
В	± 0.10pF
С	± 0.25pF
D	± 0.50pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%

#### Nominal Thickness •

Code	Thickness	Code	Thickness
020	0.20 mm	130	1.30 mm
030	0.30 mm	160	1.60 mm
050	0.50 mm	200	2.00 mm
060	0.60 mm	230	2.30 mm
080	0.80 mm	250	2.50 mm
085	0.85 mm	280	2.80 mm
115	1.15 mm	320	3.20 mm
125	1 25 mm		

#### Packaging Style

Code	Style
A	178" Reel, 4mm Pitch
В	178" Reel, 2mm Pitch
K	178" Reel, 8mm Pitch

#### Special Reserved Code •

Code	Description				
A. B. C	TDK Internal Code				

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### EIA CC01005 [C0402]

#### **Capacitance Range Chart**

Temperature Characteristics: C0G(0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%) Rated Voltage: 16V (1C), 10V (1A), 6.3V (0J),

Capacitance			COG	СН	JB					
(pF)	Code	Tolerance	1C (16V)	1C (16V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)		
0.5	0R5	C: ± 0.25pF								
0.75	R75	D: ± 0.50pF								
1	010	J: ± 5%								
1.5	1R5	K: ± 10%								
2	020	M: ± 20%								
2.2	2R2									
3	030									
3.3	3R3									
4	040									
4.7	4R7									
5	050									
6	060									
6.8	6R8									
7	070									
8	080									
9	090									
10	100									
12	120									
15	150									
18	180									
22	220									
27	270									
33	330									
39	390									
47	470									
56	560									
68	680									
82	820									
100	101									
150	151									
220	221									
330	331									
470	471									
680	681									
1,000	102									
1,500	152									
2,200	222									
3,300	332									
4,700	472									
6,800	682									
10,000	103									

Standard Thickness 0.20 mm





## EIA CC01005 [C0402]

#### **Capacitance Range Chart**

Temperature Characteristics: JB (± 10%), X5R (± 15%), X6S (±22%), X7R (±15%) Rated Voltage: 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Conseitones			JB	B X5R					X6S		X7R		
Capacitance (pF)	Code	Tolerance	1A (10V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	1A (10V)	0J (6.3V)	0G (4V)	1A (10V)	0J (6.3V)	0G (4V)
100	101	K: ± 10%											
150	151	M: ± 20%											
220	221												
330	331												
470	471												
680	681												
1,000	102												
1,500	152												
2,200	222												-
3,300	332												
4,700	472												
6,800	682												
10,000	103												
22,000	223	1											
47,000	473												
100,000	104												

Standard Thickness

0.20 mm





# EIA CC0201 [C0603]

#### **Capacitance Range Chart**

Temperature Characteristics: C0G(0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%), X5R (± 15%) Rated Voltage: 50V (1H), 25V (1E), 10V (1A), 6.3V (0J), 4V (0G)

Capacitance			COG			Н	JB			X5R					
(pF) Code	Tolerance	1H (50V)	1E (25V)	1H (50V)	1E (25V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
0.5	0R5	C: ± 0.25pF					, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	
0.75	R75	D: ± 0.50pF													
1	010	J: ± 5%													
1.5	1R5	K: ± 10%													
2	020	M: ± 20%													
2.2	2R2	IVI. ± 2070													
3	030	-													
3.3	3R3	-													
4	040														
4.7	4R7														
5	050														
6	060	-													
6.8	6R8														
7	070														
8	080														
9	090														
10	100														
12	120														
15	150														
18	180														
22	220														
27	270														
33	330														
39	390														
47	470														
56	560														
68	680														
82	820														
100	101														
150	151														
220	221														
330	331														
470	471														
680	681														
1,000	102														
1,500	152														
2,200	222														
3,300	332														
4,700	472														
6,800	682														
10,000	103														
15,000	153														
22,000	223														
33,000	333														
47,000	473	_													
68,000	683	_													
100,000	104														
150,000	154														
220,000	224														
330,000	334														
470,000	474														
1,000,000	105														

Standard Thickness

0.30 mm





# EIA CC0201 [C0603]

#### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%), X7R (±15%), X7S (±22%) Rated Voltage: 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Consoitance					X6S				X	7R		X7S		
Capacitance (pF)	Code	Tolerance	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)
100	101	K: ± 10%												
150	151	M: ± 20%												
220	221													
330	331													
470	471													
680	681													
1,000	102													
1,500	152													
2,200	222													
3,300	332													
4,700	472													
10,000	103													
22,000	223													
47,000	473													
68,000	683													
100,000	104													
150,000	154													
220,000	224													
330,000	334													
470,000	474													

Standard Thickness

0.30 mm





#### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C) Rated Voltage: 50V (1H), 25V (1E)

Conscitones			C	)G	СН		
Capacitance (pF)	Code	Tolerance	1H (50V)	1E (25V)	1H (50V)		
0.5	0R5	B: ± 0.10pF					
0.75	R75	C: ± 0.25pF					
1	010	D: ± 0.50pF					
1.5	1R5	F: ± 1%					
2	020	G: ± 2%					
3	030	J: ± 5%					
4	040	K: ± 10%					
5	050						
6	060						
7	070						
8	080						
9	090						
10	100						
12	120						
15	150						
18	180						
22	220						
27	270						
33	330						
39	390						
47	470						
56	560						
68	680						
82	820						
100	101						
120	121						
150	151						
180	181						
220	221						
270	271						
330	331						
390	391						
470	471						
560	561						
680	681						
820	821						
1,000	102						

Standard Thickness
0.50 mm

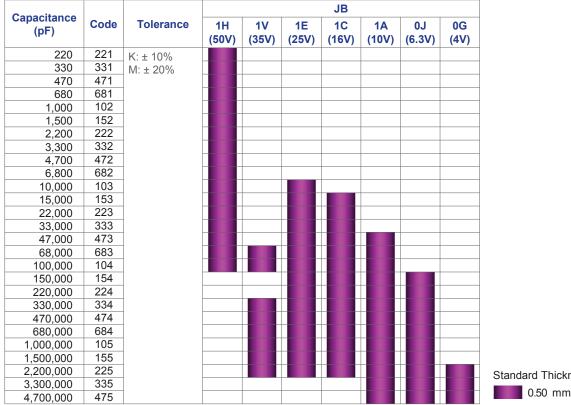




#### **Capacitance Range Chart**

Temperature Characteristics: JB(±10%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)



Standard Thickness





#### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 15%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V(0J), 4V (0G)

Consoitones						X5R			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
220	221	K: ± 10%							
330	331	M: ± 20%							
470	471								
680	681								
1,000	102								
1,500	152								
2,200	222								
3,300	332								
4,700	472								
6,800	682								
10,000	103								
15,000	153								
22,000	223								
33,000	333								
47,000	473								
68,000	683								
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								
1,500,000	155	1							
2,200,000	225								
3,300,000	335	1							
4,700,000	475	1							
10,000,000	106								

Standard Thickness 0.50 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V(0J), 4V (0G)

Consoltones			X6S									
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)			
10,000	103	K: ± 10%										
15,000	153	M: ± 20%										
22,000	223											
33,000	333											
47,000	473											
68,000	683											
100,000	104											
150,000	154											
220,000	224											
330,000	334											
470,000	474											
680,000	684											
1,000,000	105											
1,500,000	155											
2,200,000	225											
3,300,000	335											
4,700,000	475											

Standard Thickness 0.50 mm

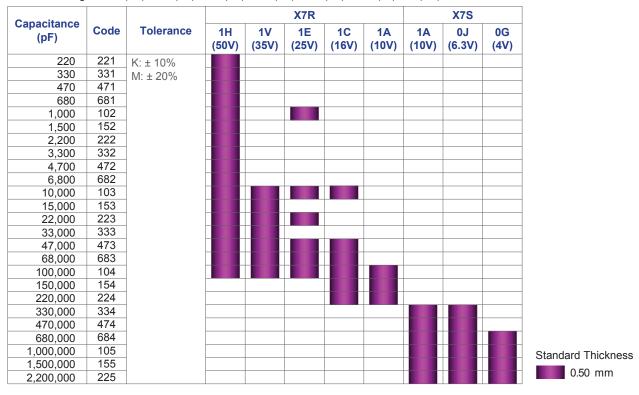




#### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)







## EIA CC0603 [C1608]

#### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C) Rated Voltage: 50V (1H), 25V (1E)

Canacitanas			С	COG				
Capacitance (pF)	Code	Tolerance	1H (50V)	1E (25V)	1H (50V)			
0.5	0R5	C: ± 0.25pF						
0.75	R75	D: ± 0.50pF						
1	010	J: ± 5%						
1.5	1R5	K: ± 10%						
2	020							
3	030							
4	040							
5	050							
6	060							
7	070							
8	080							
9	090							
10	100							
12	120							
15	150			1				
18	180	_						
22	220				_			
27	270							
33	330							
39	390							
47	470	-	-		_			
56	560		-		-			
68	680		-		-			
82	820 101							
100 120	121		-		-			
150	151		•		-			
180	181		-		-			
220	221				-			
270	271		•		-			
330	331		-		-			
390	391	-		1				
470	471	1						
560	561	-						
680	681	-						
820	821							
1,000	102	1						
1,200	122	1						
1,500	152	1						
1,800	182	1						
2,200	222	1						
2,700	272	1						
3,300	332	1						
3,900	392							
4,700	472							
5,600	562							
6,800	682							
8,200	822							
10,000	103							

Standard Thickness 0.80 mm





## EIA CC0603 [C1608]

#### **Capacitance Range Chart**

Temperature Characteristics: JB(±10%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Capacitance						JB			
(pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103	K: ± 10%							
15,000	153	M: ± 20%							
22,000	223								
33,000	333								
47,000	473								
68,000	683								
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								
1,500,000	155								
2,200,000	225								
3,300,000	335								
4,700,000	475								
6,800,000	685								
10,000,000	106								
15,000,000	156								
22,000,000	226								

Standard Thickness
0.80 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 15%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canasitanas						X5R			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103	K: ± 10%							
15,000	153	M: ± 20%							
22,000	223								
33,000	333								
47,000	473								
68,000	683								
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								
1,500,000	155								
2,200,000	225								
3,300,000	335								
4,700,000	475								
6,800,000	685								
10,000,000	106								
15,000,000	156								
22,000,000	226								

Standard Thickness
0.80 mm





## EIA CC0603 [C1608]

#### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0						X6S			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
150,000	154	K: ± 10%							
220,000	224	M: ± 20%							
330,000	334	]							
470,000	474								
680,000	684								
1,000,000	105								
1,500,000	155								
2,200,000	225								
3,300,000	335								
4,700,000	475								
6,800,000	685								
10,000,000	106								

Standard Thickness
0.80 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1V), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0					X.	X7S						
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)	
10,000	103	K: ± 10%										
15,000	153	M: ± 20%										
22,000	223											
33,000	333											
47,000	473											
68,000	683											
100,000	104											
150,000	154											
220,000	224											
330,000	334											
470,000	474											
680,000	684											
1,000,000	105	1										
1,500,000	155											
2,200,000	225											
3,300,000	335											
4,700,000	475											
6,800,000	685											
10,000,000	106											

Standard Thickness
0.80 mm





## EIA CC0805 [C2012]

#### **Capacitance Range Chart**

Temperature Characteristics: C0G (0  $\pm$  30ppm/°C), CH(0  $\pm$  60ppm/°C), JB( $\pm$ 10%) Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

0			C	0G	CH JB							
Capacitance (pF)	Code	Tolerance	1H	1E	1H	1H	1V	1E	1C	1A	0J	
			(50V)	(25V)	(50V)	(50V)	(35V)	(25V)	(16V)	(10V)	(6.3V)	
1,000	102	J: ± 5%										
1,200	122	K: ± 10%										
1,500	152	M: ± 20%										
1,800	182											
2,200	222											
2,700	272											
3,300	332											
3,900	392											
4,700	472											
5,600	562											
6,800	682											
8,200	822											
10,000	103											
15,000	153											
22,000	223											
33,000	333											
100,000	104											
150,000	154											
220,000	224											
330,000	334											
470,000	474											
680,000	684	1										
1,000,000	105	1										
1,500,000	155	1										
2,200,000	225	1										
3,300,000	335	1										
4,700,000	475	1										
6,800,000	685	1										
10,000,000	106	1										
15,000,000	156	1										
22,000,000	226	1										
33,000,000	336	1										
47,000,000	476	1										





## EIA CC0805 [C2012]

#### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 15%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canasitanas										
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
100,000	104	K: ± 10%								
150,000	154	M: ± 20%								
220,000	224									
330,000	334									
470,000	474									
680,000	684									
1,000,000	105									
1,500,000	155									
2,200,000	225									
3,300,000	335									
4,700,000	475									
6,800,000	685									
10,000,000	106									
15,000,000	156									Standard Thickness
22,000,000	226									0.85 mm
33,000,000	336									
47,000,000	476									1.25 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0						X6S				
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
470,000	474	K: ± 10%								
680,000	684	M: ± 20%								
1,000,000	105									
1,500,000	155									
2,200,000	225									
3,300,000	335									
4,700,000	475									
6,800,000	685									
10,000,000	106									
15,000,000	156									Standard Thickness
22,000,000	226									0.85 mm
33,000,000	336									4.05
47,000,000	476									1.25 mm

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# EIA CC0805 [C2012]

#### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Conseitones					X	7R				X7S		
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)	
100,000	104	K: ± 10%										
150,000	154	M: ± 20%										
220,000	224											
330,000	334											
470,000	474											
680,000	684											
1,000,000	105											
1,500,000	155											
2,200,000	225											
3,300,000	335											
4,700,000	475											
6,800,000	685											Standard T
10,000,000	106											0.8
15,000,000	156											
22,000,000	226											1.25





## EIA CC1206 [C3216]

#### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%) Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

Compositornos			COG	СН			J	В			
Capacitance (pF)	Code	Tolerance	1H (50V)	1H (50V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	
3,900	392	J: ± 5%									
4,700	472	K: ± 10%									
5,600	562	M: ± 20%									
6,800	682										
8,200	822										
10,000	103										
15,000	153										
22,000	223										
33,000	333										
47,000	473										
68,000	683										
100,000	104										
1,000,000	105										
1,500,000	155										
2,200,000	225										
3,300,000	335										
4,700,000	475										
6,800,000	685										Standard Thickness
10,000,000	106										0.60 mm
15,000,000	156										0.85 mm
22,000,000	226										
33,000,000	336										1.15 mm
47,000,000	476										1.30 mm
68,000,000	686										
100,000,000	107										1.60 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 5%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Consoltones						X5R				
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
1,000,000	105	K: ± 10%								
1,500,000	155	M: ± 20%								
2,200,000	225									
3,300,000	335									
4,700,000	475									
6,800,000	685									
10,000,000	106									
15,000,000	156									Standard Thickness
22,000,000	226									
33,000,000	336									1.15 mm
47,000,000	476									1.30 mm
68,000,000	686									
100,000,000	107									1.60 mm





## EIA CC1206 [C3216]

#### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0						X6S			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
1,500,000	155	K: ± 10%							
2,200,000	225	M: ± 20%							
3,300,000	335	1							
4,700,000	475								
6,800,000	685								
10,000,000	106								
15,000,000	156								
22,000,000	226								
33,000,000	336								
47,000,000	476								
68,000,000	686								
100,000,000	107								

ard Thickness

0.85 mm 1.60 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canasitanas					X.	7R				X7S		
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)	
220,000	224	K: ± 10%										
330,000	334	M: ± 20%										
470,000	474											
680,000	684											
1,000,000	105											
1,500,000	155											
2,200,000	225											
3,300,000	335											
4,700,000	475											
6,800,000	685											
10,000,000	106											
15,000,000	156											Standard Th
22,000,000	226											1.15
33,000,000	336											
47,000,000	476											1.60

hickness

mm

mm

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## EIA CC1210 [C3225]

#### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%), X5R (±15%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

0			C0G	СН			JB					X5R		
Capacitance (pF)	Code	Tolerance	1H (50V)	1H (50V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)
22,000	223	J: ± 5%												
33,000	333	K: ± 10%												
47,000	473	M: ± 20%												
68,000	683													
100,000	104													
1,000,000	105													
1,500,000	155													
2,200,000	225													
3,300,000	335													
4,700,000	475													
6,800,000	685													
10,000,000	106													
15,000,000	156													
22,000,000	226													
33,000,000	336													
47,000,000	476													
68,000,000	686													
100,000,000	107													

Standard Thickness

1.25 mm 1.60 mm 2.00 mm 2.30 mm 2.50 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%), X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0					X	S				X	7R		X	7S
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	0J (6.3V)	0G (4V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	1H (50V)	0J (6.3V)
1,000,000	105	K: ± 10%												
1,500,000	155	M: ± 20%												
2,200,000	225													
3,300,000	335													
4,700,000	475													
6,800,000	685													
10,000,000	106													
15,000,000	156													
22,000,000	226													
33,000,000	336													
47,000,000	476													
100,000,000	107													

#### Standard Thickness

1.60 mm 2.00 mm 2.30 mm 2.50 mm





# EIA CC1812 [C4532]

#### **Capacitance Range Chart**

Temperature Characteristics: C0G (0  $\pm$  30ppm/°C), CH(0  $\pm$  60ppm/°C), JB( $\pm$ 10%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C)

Canacitanas			COG	СН		JB		
Capacitance (pF)	Code	Tolerance	1H (50V)	1H (50V)	1H (50V)	1E (25V)	1C (16V)	
47,000	473	J: ± 5%						
68,000	683	K: ± 10%						
100,000	104	M: ± 20%						
150,000	154							Standard Thickness
220,000	224							1.60 mm
6,800,000	685							
10,000,000	106							2.00 mm
15,000,000	156							2.50 mm
22,000,000	226							
33,000,000	336							3.20 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 5%), X6S (±22%), X7R (±15%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

Consoltones					X5R			X6S		X7R		
Capacitance (pF)	Code	Tolerance	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	
1,000,000	105	K: ± 10%										
2,200,000	225	M: ± 20%										
3,300,000	335											
4,700,000	475											
6,800,000	685											Standard Thickness
10,000,000	106											1.60 mm
15,000,000	156											2.00 mm
22,000,000	226											
33,000,000	336											2.30 mm
47,000,000	476											2.50 mm
68,000,000	686											
100,000,000	107											2.80 mm





### EIA CC2220 [C5750]

#### **Capacitance Range Chart**

Temperature Characteristics: JB(±10%), X5R (±15%), X7R (±15%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

Canacitanas			JB			X5R				X7R		
Capacitance (pF)	Code	Tolerance	1E (25V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	
4,700,000	475	K: ± 10%										
6,800,000	685	M: ± 20%										
10,000,000	106											Standard Thickness
15,000,000	156											2.00 mm
22,000,000	226											
33,000,000	336											2.30 mm
47,000,000	476											2.50 mm
68,000,000	686											
100,000,000	107											2.80 mm

## MULTILAYER CERAMIC CHIP CAPACITORS





#### **Class 1 (Temperature Compensating)**

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C0R5C020BC
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H0R5C030BA	C0603C0G1E0R5C030BA	
0.5 pF	1005	$0.50 \pm 0.05$	± 0.10pF	C1005C0G1H0R5B050BA		
	1000		± 0.25pF	C1005C0G1H0R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H0R5C080AA	,	
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1CR75C020BC
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1HR75C030BA	C0603C0G1ER75C030BA	
0.75 pF	1005	$0.50 \pm 0.05$	± 0.10pF	C1005C0G1HR75B050BA		
			± 0.25pF	C1005C0G1HR75C050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1HR75C080AA		
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C010C020BC
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H010C030BA	C0603C0G1E010C030BA	
1 pF	1005	$0.50 \pm 0.05$	± 0.10pF	C1005C0G1H010B050BA		
,			± 0.25pF	C1005C0G1H010C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H010C080AA		,
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C1R5C020BC
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H1R5C030BA	C0603C0G1E1R5C030BA	
1.5 pF	1005	0.50 ± 0.05	± 0.10pF	C1005C0G1H1R5B050BA		
	1000	0.30 ± 0.03	± 0.25pF	C1005C0G1H1R5C050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H1R5C080AA		
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C020C020BC
•	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H020C030BA	C0603C0G1E020C030BA	
2 pF	1005	0.50 0.05	± 0.10pF	C1005C0G1H020B050BA		
	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H020C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H020C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C2R2C020BC
2.2 pF	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H2R2C030BA	C0603C0G1E2R2C030BA	
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C030C020BC
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H030C030BA	C0603C0G1E030C030BA	
3 pF			± 0.10pF	C1005C0G1H030B050BA		
ο ρ.	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H030C050BA		,
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H030C080AA		,
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C3R3C020BC
3.3 pF	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H3R3C030BA	C0603C0G1E3R3C030BA	
	0402	0.20 ± 0.02	± 0.25pF	COOCCCC IT IOTICCOCCE	COOCCOCK TECHNOLOGICAL	C0402C0G1C040C020BC
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H040C030BA	C0603C0G1E040C030BA	
4 pF	- 0000	0.00 ± 0.00	± 0.10pF	C1005C0G1H040B050BA		
i pi	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H040C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H040C080AA		
	0402	0.20 ± 0.10	± 0.25pF	C1000C0G111040C000AA		C0402C0G1C4R7C020BC
4.7 pF	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.25pf ± 0.25pF	C0603C0G1H4R7C030BA	C0603C0G1E4R7C030BA	- C0402C0G1C4H7C020BC
	0402	0.20 ± 0.02	± 0.25pF	C0003C0G1114117C030BA	C0003C0G1E4H7C030BA	C0402C0G1C050C020BC
	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.25pf ± 0.25pF	C0603C0G1H050C030BA	C0603C0G1E050C030BA	C0402C0G1C030C020BC
E nE	0003	0.30 ± 0.03			C0603C0GTE050C030BA	
5 pF	1005	$0.50 \pm 0.05$	± 0.10pF	C1005C0G1H050B050BA		
	1000	0.00 - 0.10	± 0.25pF	C1005C0G1H050C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H050C080AA		00.4000004.0000000000
	0402	0.20 ± 0.02	± 0.50pF	00000000111000000000	0000000450000000	C0402C0G1C060D020BC
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603C0G1H060D030BA	C0603C0G1E060D030BA	
6 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H060C050BA		
			± 0.50pF	C1005C0G1H060D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H060C080AA		
			± 0.50pF	C1608C0G1H060D080AA		
6.8 pF	0402	0.20 ± 0.02	± 0.50pF			C0402C0G1C6R8D020BC
5.5 pi	0603	$0.30 \pm 0.03$	± 0.50pF	C0603C0G1H6R8D030BA	C0603C0G1E6R8D030BA	
	0402	$0.20 \pm 0.02$	± 0.50pF			C0402C0G1C070D020BC
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603C0G1H070D030BA	C0603C0G1E070D030BA	
7 nE	1005	0.50 - 0.05	± 0.25pF	C1005C0G1H070C050BA		
7 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H070D050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H070C080AA	,	,
		$0.80 \pm 0.10$				





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number	Rated Voltage Edc: 25V	Pated Valtage Ede: 461/
	0402	0.20 ± 0.02	± 0.50pF	Rated Voltage Edc: 50V	Rated Voltage Edc. 25V	Rated Voltage Edc: 16V C0402C0G1C080D020B0
	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.50pf	C0603C0G1H080D030BA	C0603C0G1E080D030BA	C0402C0G1C060D020B0
	0000	0.50 ± 0.05	± 0.25pF	C1005C0G1H080C050BA	COOOCOGILOOODOODA	
8 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H080D050BA		
			± 0.25pF	C1608C0G1H080C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608C0G1H080D080AA		
	0402	0.20 ± 0.02	± 0.50pF			C0402C0G1C090D020B0
•	0603	0.30 ± 0.03	± 0.50pF	C0603C0G1H090D030BA	C0603C0G1E090D030BA	,
0	1005	0.50 . 0.05	± 0.25pF	C1005C0G1H090C050BA		
9 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H090D050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H090C080AA		
	1000	0.00 ± 0.10	± 0.50pF	C1608C0G1H090D080AA		
	0402	$0.20 \pm 0.02$	± 0.50pF			C0402C0G1C100D020B
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603C0G1H100D030BA	C0603C0G1E100D030BA	
10 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H100C050BA	,	
			± 0.50pF	C1005C0G1H100D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H100C080AA		
			± 0.50pF	C1608C0G1H100D080AA		
	0402	$0.20 \pm 0.02$	± 10%			C0402C0G1C120K020B
			± 5%	00000000111001/00000	00000000151001/00051	C0402C0G1C120J020B0
12 pF	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H120K030BA	C0603C0G1E120K030BA	
	1005	0.50 . 0.05	± 5%	C0603C0G1H120J030BA	C0603C0G1E120J030BA	
,	1005	$0.50 \pm 0.05$ $0.80 \pm 0.10$	± 5% ± 5%	C1005C0G1H120J050BA C1608C0G1H120J080AA		
	1000	0.00 ± 0.10	± 10%	C 1000C0G 1111200000AA		C0402C0G1C150K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C150K020B
			± 10%	C0603C0G1H150K030BA	C0603C0G1E150K030BA	0040200010100002000
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H150J030BA	C0603C0G1E150J030BA	
			± 1%	C1005C0G1H150F050BA		
15 pF	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H150G050BA		
			± 5%	C1005C0G1H150J050BA		
•			± 1%	C1608C0G1H150F080AA	,	,
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H150G080AA		
			± 5%	C1608C0G1H150J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C180K020B
	0402	0.20 ± 0.02	± 5%			C0402C0G1C180J020B0
18 pF	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H180K030BA	C0603C0G1E180K030BA	
10 рі		0.00 ± 0.00	± 5%	C0603C0G1H180J030BA	C0603C0G1E180J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H180J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H180J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C220K020B0
			± 5%			C0402C0G1C220J020B0
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H220K030BA	C0603C0G1E220K030BA	
			± 5%	C0603C0G1H220J030BA	C0603C0G1E220J030BA	
22 pF	1005	0.50 0.05	± 1%	C1005C0G1H220F050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H220G050BA		
			± 5%	C1609C0G1H220J050BA		
	1600	0.90 . 0.10	± 1%	C1608C0G1H220F080AA		
	1608	$0.80 \pm 0.10$	± 2% ± 5%	C1608C0G1H220G080AA C1608C0G1H220J080AA		,
			± 5% ± 10%	O 1000CUG ITIZZUJUOUAA	,	C0402C0G1C270K020B
	0402	$0.20 \pm 0.02$	± 10% ± 5%			C0402C0G1C270K020B C0402C0G1C270J020B
			± 10%	C0603C0G1H270K030BA	C0603C0G1E270K030BA	
27 pF	0603	$0.30 \pm 0.03$	± 10 %	C0603C0G1H270J030BA	C0603C0G1E270J030BA	
	1005	0.50 ± 0.05	± 5%	C1005C0G1H270J050BA	23000000 1EE100000DA	
		0.00 ± 0.00	± 0 /0	5 .000000 H IZ 1 000000DA		





apacitance	Size	Thickness	Capacitance	TDK Part Number		
.,		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	$0.20 \pm 0.02$	± 10%			C0402C0G1C330K020BC
			± 5%	000000000000000000000000000000000000000		C0402C0G1C330J020BC
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H330K030BA	C0603C0G1E330K030BA	
			± 5%	C0603C0G1H330J030BA	C0603C0G1E330J030BA	
33 pF			± 1%	C1005C0G1H330F050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H330G050BA		
			± 5%	C1005C0G1H330J050BA		
			± 1%	C1608C0G1H330F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H330G080AA		
			± 5%	C1608C0G1H330J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C390K020B0
			± 5%			C0402C0G1C390J020B0
39 pF	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H390K030BA	C0603C0G1E390K030BA	
			± 5%	C0603C0G1H390J030BA	C0603C0G1E390J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H390J050BA	,	
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H390J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C470K020B0
		0.20 2 0.02	± 5%			C0402C0G1C470J020B0
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H470K030BA	C0603C0G1E470K030BA	
		0.00 ± 0.00	± 5%	C0603C0G1H470J030BA	C0603C0G1E470J030BA	
47 pF			± 1%	C1005C0G1H470F050BA		
47 PI	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H470G050BA		
			± 5%	C1005C0G1H470J050BA		
			± 1%	C1608C0G1H470F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H470G080AA		
			± 5%	C1608C0G1H470J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C560K020B0
	0402	0.20 ± 0.02	± 5%			C0402C0G1C560J020B0
FC	0603	0.30 ± 0.03	± 10%	C0603C0G1H560K030BA	C0603C0G1E560K030BA	
56 pF	0003	0.50 ± 0.05	± 5%	C0603C0G1H560J030BA	C0603C0G1E560J030BA	
•	1005	0.50 ± 0.05	± 5%	C1005C0G1H560J050BA		
•	1608	0.80 ± 0.10	± 5%	C1608C0G1H560J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C680K020B0
	0402	0.20 ± 0.02	± 5%			C0402C0G1C680J020B0
	0603	0.30 ± 0.03	± 10%	C0603C0G1H680K030BA	C0603C0G1E680K030BA	
	0003	0.30 ± 0.03	± 5%	C0603C0G1H680J030BA	C0603C0G1E680J030BA	
60 nE			± 1%	C1005C0G1H680F050BA		
68 pF	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H680G050BA		
			± 5%	C1005C0G1H680J050BA		
•			± 1%	C1608C0G1H680F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H680G080AA		
			± 5%	C1608C0G1H680J080AA		
	0.400	0.00 0.00	± 10%			C0402C0G1C820K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C820J020B0
	0000	0.00	± 10%	C0603C0G1H820K030BA	C0603C0G1E820K030BA	
82 pF	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H820J030BA	C0603C0G1E820J030BA	
•	1005	0.50 ± 0.05	± 5%	C1005C0G1H820J050BA		
•	1608	0.80 ± 0.10	± 5%	C1608C0G1H820J080AA		
			± 10%			C0402C0G1C101K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C101J020B0
			± 10%	C0603C0G1H101K030BA	C0603C0G1E101K030BA	
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H101J030BA	C0603C0G1E101J030BA	
-			± 1%	C1005C0G1H101F050BA		
			± 10%	C1005C0G1H101K050BA		
100 pF	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H101G050BA		
			± 5%	C1005C0G1H101J050BA		
			± 5% ± 1%	C1608C0G1H1015050BA		
_						
			± 10%	C1608C0G1H101K080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H101G080AA		





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16
	1005	0.50 - 0.05	± 10%	C1005C0G1H121K050BA	<u> </u>	<u> </u>
100 pE	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H121J050BA		
120 pF -	1600	0.90 . 0.10	± 10%	C1608C0G1H121K080AA		
	1608	0.80 ± 0.10	± 5%	C1608C0G1H121J080AA		
			± 1%	C1005C0G1H151F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H151K050BA		
	1005	0.50 ± 0.05	± 2%	C1005C0G1H151G050BA		
150 pF -			± 5%	C1005C0G1H151J050BA		
150 pi			± 1%	C1608C0G1H151F080AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H151K080AA		
	1000	0.00 ± 0.10	± 2%	C1608C0G1H151G080AA		
			± 5%	C1608C0G1H151J080AA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H181K050BA		
180 pF -	1000	0.50 ± 0.05	± 5%	C1005C0G1H181J050BA		
100 pi	1608	0.80 ± 0.10	± 10%	C1608C0G1H181K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H181J080AA		
			± 1%	C1005C0G1H221F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H221K050BA		
	1005	0.50 ± 0.05	± 2%	C1005C0G1H221G050BA		
220 pF -			± 5%	C1005C0G1H221J050BA		
220 pi -			± 1%	C1608C0G1H221F080AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H221K080AA		
	1000	0.00 ± 0.10	± 2%	C1608C0G1H221G080AA		
			± 5%	C1608C0G1H221J080AA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H271K050BA		
270 pF -	1005	0.50 ± 0.05	± 5%	C1005C0G1H271J050BA		
270 pi	1608	0.80 ± 0.10	± 10%	C1608C0G1H271K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H271J080AA		
			± 1%	C1005C0G1H331F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H331K050BA		
	1005	0.00 ± 0.00	± 2%	C1005C0G1H331G050BA		
330 pF -			± 5%	C1005C0G1H331J050BA		
330 pi			± 1%	C1608C0G1H331F080AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H331K080AA		
	1000	0.00 ± 0.10	± 2%	C1608C0G1H331G080AA		
			± 5%	C1608C0G1H331J080AA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H391K050BA		
200 pE	1005	0.50 ± 0.05	± 5%	C1005C0G1H391J050BA		
390 pF -	1608	0.80 ± 0.10	± 10%	C1608C0G1H391K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H391J080AA		
			± 1%	C1005C0G1H471F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H471K050BA		
	1005	0.50 ± 0.05	± 2%	C1005C0G1H471G050BA		
470 pF -			± 5%	C1005C0G1H471J050BA		
470 pr			± 1%	C1608C0G1H471F080AA		
	1600	0.80 ± 0.10	± 10%	C1608C0G1H471K080AA		
	1608	0.00 ± 0.10	± 2%	C1608C0G1H471G080AA		
			± 5%	C1608C0G1H471J080AA		
	1005	0.50 . 0.05	± 10%	C1005C0G1H561K050BA		
FCOF	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H561J050BA		
560 pF -	1000	0.00 - 0.10	± 10%	C1608C0G1H561K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H561J080AA		
			± 1%	C1005C0G1H681F050BA		
	1005	0.50 0.05	± 10%	C1005C0G1H681K050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H681G050BA		
			± 5%	C1005C0G1H681J050BA		
680 pF -			± 1%	C1608C0G1H681F080AA		
	105-		± 10%	C1608C0G1H681K080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H681G080AA		
			± 5%	C1608C0G1H681J080AA		





Capacitance	Size	Thickness	Capacitance	TDK Part Number		
Japacitatice	Size	(mm)	Tölerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16'
	1005	0.50 ± 0.05	± 10%	C1005C0G1H821K050BA		
820 pF	1000	0.00 ± 0.00	± 5%	C1005C0G1H821J050BA		
020 pi	1608	0.80 ± 0.10	± 10%	C1608C0G1H821K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H821J080AA		
			± 1%	C1005C0G1H102F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H102K050BA		
	1000	0.00 ± 0.00	± 2%	C1005C0G1H102G050BA		
_			± 5%	C1005C0G1H102J050BA	C1005C0G1E102J050BA	
1 nF			± 1%	C1608C0G1H102F080AA		
1 111	1608	0.80 ± 0.10	± 10%	C1608C0G1H102K080AA		
_	1000	0.00 ± 0.10	± 2%	C1608C0G1H102G080AA		
			± 5%	C1608C0G1H102J080AA		
	2012	0.60 ± 0.15	± 10%	C2012C0G1H102K060AA		
	2012	0.00 ± 0.10	± 5%	C2012C0G1H102J060AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H122K080AA		
1.2 nF	1000	0.00 ± 0.10	± 5%	C1608C0G1H122J080AA		
1.2111	2012	0.60 ± 0.15	± 10%	C2012C0G1H122K060AA		
	2012	0.00 ± 0.13	± 5%	C2012C0G1H122J060AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H152K080AA		
1.5 nF	1000	0.00 ± 0.10	± 5%	C1608C0G1H152J080AA		
1.5111	2012	0.60 ± 0.15	± 10%	C2012C0G1H152K060AA		
	د ۱۷ د	0.00 ± 0.13	± 5%	C2012C0G1H152J060AA		
	1608	0.90 . 0.10	± 10%	C1608C0G1H182K080AA		
1.8 nF	1000	$0.80 \pm 0.10$	± 5%	C1608C0G1H182J080AA		
1.0111	2012	0.60 ± 0.15	± 10%	C2012C0G1H182K060AA		
	2012	0.60 ± 0.15	± 5%	C2012C0G1H182J060AA		
	1608	0.90 . 0.10	± 10%	C1608C0G1H222K080AA		
	1000	$0.80 \pm 0.10$	± 5%	C1608C0G1H222J080AA		
2.2 nF		0.60 ± 0.15	± 10%	C2012C0G1H222K060AA		
	2012	0.00 ± 0.13	± 5%	C2012C0G1H222J060AA		
		$0.85 \pm 0.15$	± 5%	C2012C0G1H222J085AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H272K080AA		
2.7 nF	1000	0.00 ± 0.10	± 5%	C1608C0G1H272J080AA		
2.7 111	2012	0.60 ± 0.15	± 10%	C2012C0G1H272K060AA		
	2012	0.00 ± 0.13	± 5%	C2012C0G1H272J060AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H332K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H332J080AA		
3.3 nF		0.60 ± 0.15	± 10%	C2012C0G1H332K060AA		
	2012	0.00 ± 0.13	± 5%	C2012C0G1H332J060AA		
		1.25 ± 0.20	± 5%	C2012C0G1H332J125AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H392K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H392J080AA	C1608C0G1E392J080AA	
3.9 nF	2012	0.60 ± 0.15	± 10%	C2012C0G1H392K060AA		
0.0 111	2012	0.00 £ 0.10	± 5%	C2012C0G1H392J060AA		
	3216	0.60 ± 0.15	± 10%	C3216C0G1H392K060AA		
	0210	0.00 £ 0.10	± 5%	C3216C0G1H392J060AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H472K080AA		
	1000	0.00 £ 0.10	± 5%	C1608C0G1H472J080AA	C1608C0G1E472J080AA	
4.7 nF	2012	0.60 ± 0.15	± 10%	C2012C0G1H472K060AA		
<b>→.</b> 1 111	2012	0.00 ± 0.10	± 5%	C2012C0G1H472J060AA		
	3216	0.60 ± 0.15	± 10%	C3216C0G1H472K060AA		
	UZ 10	0.00 ± 0.10	± 5%	C3216C0G1H472J060AA		
	1600	0.00 + 0.10	± 10%	C1608C0G1H562K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H562J080AA	C1608C0G1E562J080AA	
E C r C	2010	0.60 : 0.45	± 10%	C2012C0G1H562K060AA		
5.6 nF	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H562J060AA		
	2010	0.00 0.15	± 10%	C3216C0G1H562K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H562J060AA		





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number	Detect Velter - Edm OF'	Detect \/elf [-1- 40\
•		(111111)	± 10%	Rated Voltage Edc: 50V C1608C0G1H682K080AA	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
	1608	$0.80 \pm 0.10$			C100000C1E000 1000 A A	
			± 5% ± 10%	C1608C0G1H682J080AA C2012C0G1H682K060AA	C1608C0G1E682J080AA	
6.8 nF	2012	$0.60 \pm 0.15$				
			± 5%	C2012C0G1H682J060AA		
	3216	$0.60 \pm 0.15$	± 10%	C3216C0G1H682K060AA		
			± 5%	C3216C0G1H682J060AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H822K080AA	0.100000015000100011	
			± 5%	C1608C0G1H822J080AA	C1608C0G1E822J080AA	
8.2 nF	2012	$0.60 \pm 0.15$	± 10%	C2012C0G1H822K060AA		
			± 5%	C2012C0G1H822J060AA		
	3216	$0.60 \pm 0.15$	± 10%	C3216C0G1H822K060AA		
			± 5%	C3216C0G1H822J060AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H103K080AA		
			± 5%	C1608C0G1H103J080AA	C1608C0G1E103J080AA	
10 nF	2012	0.60 ± 0.15	± 10%	C2012C0G1H103K060AA		
			± 5%	C2012C0G1H103J060AA	C2012C0G1E103J060AA	
	3216	0.60 ± 0.15	± 10%	C3216C0G1H103K060AA		
		0.00 = 0.10	± 5%	C3216C0G1H103J060AA		
	2012	0.85 ± 0.15	± 10%	C2012C0G1H153K085AA		
15 nF	2012	0.00 ± 0.10	± 5%	C2012C0G1H153J085AA	C2012C0G1E153J085AA	
10 111	3216	0.60 ± 0.15	± 10%	C3216C0G1H153K060AA		
	0.00 1 0.1	0.00 ± 0.10	± 5%	C3216C0G1H153J060AA		
	2012	1.25 ± 0.20	± 10%	C2012C0G1H223K125AA		
	2012	1.25 ± 0.20	± 5%	C2012C0G1H223J125AA	C2012C0G1E223J125AA	
22 nF	3216	0.60 ± 0.15	± 10%	C3216C0G1H223K060AA		
22111	3210	0.00 ± 0.15	± 5%	C3216C0G1H223J060AA		
	2225	1 25 + 0 20	± 10%	C3225C0G1H223K125AA		
	3225	1.25 ± 0.20	± 5%	C3225C0G1H223J125AA		
	0010	2012 1.25 ± 0.20	± 10%	C2012C0G1H333K125AA		
	2012		± 5%	C2012C0G1H333J125AA	C2012C0G1E333J125AA	
00 5	0040	0.05 0.45	± 10%	C3216C0G1H333K085AA		
33 nF	3216	3216 0.85 ± 0.15	± 5%	C3216C0G1H333J085AA		
	0005	100 000	± 10%	C3225C0G1H333K160AA		
	3225	$1.60 \pm 0.20$	± 5%	C3225C0G1H333J160AA		
	0010	1.15 0.15	± 10%	C3216C0G1H473K115AA		
	3216	1.15 ± 0.15	± 5%	C3216C0G1H473J115AA		
			± 10%	C3225C0G1H473K200AA		
47 nF	3225	$2.00 \pm 0.20$	± 5%	C3225C0G1H473J200AA		
			± 10%	C4532C0G1H473K160KA		
	4532	$1.60 \pm 0.20$	± 5%	C4532C0G1H473J160KA		
			± 10%	C3216C0G1H683K160AA		
	3216	$1.60 \pm 0.20$	± 5%	C3216C0G1H683J160AA		
			± 10%	C3225C0G1H683K200AA		
68 nF	3225	$2.00 \pm 0.20$	± 5%	C3225C0G1H683J200AA		
			± 10%	C4532C0G1H683K160KA		
	4532	$1.60 \pm 0.20$	± 5%	C4532C0G1H683J160KA		
			± 10%	C3216C0G1H104K160AA		
	3216	$1.60 \pm 0.20$	± 5%	C3216C0G1H104J160AA		
-						
100 nF	3225	$2.50 \pm 0.30$	± 10%	C3225C0G1H104K250AA		
-			± 5%	C3225C0G1H104J250AA		
	4532	$2.00 \pm 0.20$	± 10%	C4532C0G1H104K200KA		
			± 5%	C4532C0G1H104J200KA		
150 nF	4532	$2.50 \pm 0.30$	± 10%	C4532C0G1H154K250KA		
			± 5%	C4532C0G1H154J250KA		
220 nF	4532	$3.20 \pm 0.30$	± 10%	C4532C0G1H224K320KA		
			± 5%	C4532C0G1H224J320KA		





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C0R5C020B0
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H0R5C030BA	C0603CH1E0R5C030BA	
0.5 pF	1005	0.50 ± 0.05	± 0.10pF	C1005CH1H0R5B050BA		
	1000	0.00 ± 0.00	± 0.25pF	C1005CH1H0R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H0R5C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402CH1CR75C020B0
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1HR75C030BA	C0603CH1ER75C030BA	
0.75 pF	1005	0.50 ± 0.05	± 0.10pF	C1005CH1HR75B050BA		
	1003	0.50 ± 0.05	± 0.25pF	C1005CH1HR75C050BA		
•	1608	0.80 ± 0.10	± 0.25pF	C1608CH1HR75C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402CH1C010C020B
•	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H010C030BA	C0603CH1E010C030BA	
1 pF	1005	0.50 0.05	± 0.10pF	C1005CH1H010B050BA		
	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H010C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H010C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402CH1C1R5C020B
	0603	0.30 ± 0.03	± 0.25pF	C0603CH1H1R5C030BA	C0603CH1E1R5C030BA	
1.5 pF		0.00 _ 0.00	± 0.10pF	C1005CH1H1R5B050BA		
о р.	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H1R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H1R5C080AA		
	0402	0.20 ± 0.02	± 0.25pF	0100001111111000007V1		C0402CH1C020C020B
	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$		C0603CH1H020C030BA	C0603CH1E020C030BA	
۰ ۵۰۰	0003	0.30 ± 0.03	± 0.25pF	C1005CH1H020C050BA	C0003CHTE020C030BA	
2 pF	1005	$0.50 \pm 0.05$	± 0.10pF			
	1000	0.00 0.10	± 0.25pF	C1005CH1H020C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H020C080AA		
2.2 pF	0402	0.20 ± 0.02	± 0.25pF			C0402CH1C2R2C020B
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H2R2C030BA	C0603CH1E2R2C030BA	
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C030C020B
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H030C030BA	C0603CH1E030C030BA	,
3 pF	1005	0.50 ± 0.05	± 0.10pF	C1005CH1H030B050BA		
	1000	0.50 ± 0.05	± 0.25pF	C1005CH1H030C050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H030C080AA		
3.3 pF	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C3R3C020B
3.3 pi	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H3R3C030BA	C0603CH1E3R3C030BA	
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C040C020B
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H040C030BA	C0603CH1E040C030BA	
4 pF	1005	0.50 ± 0.05	± 0.10pF	C1005CH1H040B050BA		
	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H040C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H040C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402CH1C4R7C020B
4.7 pF	0603	0.30 ± 0.03	± 0.25pF	C0603CH1H4R7C030BA	C0603CH1E4R7C030BA	
	0402	0.20 ± 0.02	± 0.25pF			C0402CH1C050C020B
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H050C030BA	C0603CH1E050C030BA	
5 pF			± 0.10pF	C1005CH1H050B050BA		
Орі	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H050C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H050C080AA		
	0402	0.20 ± 0.02	± 0.20pf ± 0.50pF	C1000C11111030C000AA		C0402CH1C060D020B
	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.50pf	C0603CH1H060D030BA	C0603CH1E060D030BA	
	0003	0.30 ± 0.03			C0003CH IE000D030BA	
6 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H060C050BA		
			± 0.50pF	C1005CH1H060D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H060C080AA		-
			± 0.50pF	C1608CH1H060D080AA		
6.8 pF	0402	0.20 ± 0.02	± 0.50pF			C0402CH1C6R8D020B
p.	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H6R8D030BA	C0603CH1E6R8D030BA	
	0402	$0.20 \pm 0.02$	± 0.50pF			C0402CH1C070D020B
,	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H070D030BA	C0603CH1E070D030BA	
7 nE	1005	0.50 + 0.05	± 0.25pF	C1005CH1H070C050BA		
7 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005CH1H070D050BA		
•	1000	0.00 0.10	± 0.25pF	C1608CH1H070C080AA	,	
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608CH1H070D080AA		





Capacitance	Size	Thickness	Capacitance	TDK Part Number		
		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	0.20 ± 0.02	± 0.50pF	000000114110000000000	0000001145000000000	C0402CH1C080D020B0
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H080D030BA	C0603CH1E080D030BA	
8 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H080C050BA		
			± 0.50pF ± 0.25pF	C1005CH1H080D050BA C1608CH1H080C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608CH1H080D080AA		
	0402	0.20 ± 0.02	± 0.50pF	CTOOOCITITIOOODOOOAA		C0402CH1C090D020B
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H090D030BA	C0603CH1E090D030BA	
-			± 0.25pF	C1005CH1H090C050BA		
9 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005CH1H090D050BA		
	1000	0.00 - 0.10	± 0.25pF	C1608CH1H090C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608CH1H090D080AA		
	0402	$0.20 \pm 0.02$	± 0.50pF			C0402CH1C100D020B
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H100D030BA	C0603CH1E100D030BA	
10 pF	1005	0.50 ± 0.05	± 0.25pF	C1005CH1H100C050BA		
. о р.			± 0.50pF	C1005CH1H100D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H100C080AA		
			± 0.50pF	C1608CH1H100D080AA	,	
	0402	$0.20 \pm 0.02$	± 10%			C0402CH1C120K020B
			± 5%	C0000CLI4LI400K000DA	C0000CLHE100K000DA	C0402CH1C120J020B0
12 pF	0603	$0.30 \pm 0.03$	± 10% ± 5%	C0603CH1H120K030BA C0603CH1H120J030BA	C0603CH1E120K030BA C0603CH1E120J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H120J050BA	COOOSCITILIZOSOBA	
	1608	0.80 ± 0.10	± 5%	C1608CH1H120J080AA		
		0.00 ± 0.10	± 10%	010000111111200000741		C0402CH1C150K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C150J020B0
			± 10%	C0603CH1H150K030BA	C0603CH1E150K030BA	
15 pF - -	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H150J030BA	C0603CH1E150J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H150J050BA	,	
	1608	0.80 ± 0.10	± 5%	C1608CH1H150J080AA		
	0402	0.20 + 0.02	± 10%			C0402CH1C180K020B
		0.20 ± 0.02	± 5%			C0402CH1C180J020B0
18 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H180K030BA	C0603CH1E180K030BA	
10 pi			± 5%	C0603CH1H180J030BA	C0603CH1E180J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H180J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H180J080AA		004000140000140000
	0402	$0.20 \pm 0.02$	± 10%			C0402CH1C220K020B
			± 5%	C0C02CL14L1000K020DA	C0000CLHE000K000DA	C0402CH1C220J020B0
22 pF	0603	$0.30 \pm 0.03$	± 10% ± 5%	C0603CH1H220K030BA	C0603CH1E220K030BA	
	1005	0.50 ± 0.05	± 5%	C0603CH1H220J030BA C1005CH1H220J050BA	C0603CH1E220J030BA	
	1608	0.80 ± 0.10	± 5%	C1608CH1H220J080AA		
	1000	0.00 ± 0.10	± 10%	C 1000CI 111 12203000AA		C0402CH1C270K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C270J020B0
			± 10%	C0603CH1H270K030BA	C0603CH1E270K030BA	
27 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H270J030BA	C0603CH1E270J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H270J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H270J080AA		
	0400	0.20 . 0.02	± 10%			C0402CH1C330K020B
	0402	0.20 ± 0.02	± 5%			C0402CH1C330J020B0
33 pF	0603	0.30 ± 0.03	± 10%	C0603CH1H330K030BA	C0603CH1E330K030BA	
55 pi		0.50 ± 0.05	± 5%	C0603CH1H330J030BA	C0603CH1E330J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H330J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H330J080AA		
	0402	0.20 ± 0.02	± 10%			C0402CH1C390K020B
			± 5%			C0402CH1C390J020B0
39 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H390K030BA	C0603CH1E390K030BA	
is.			± 5%	C0603CH1H390J030BA	C0603CH1E390J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H390J050BA	,	
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H390J080AA		





Canacitanas	Sizo	Thickness	Capacitance	TDK Part Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V	
	0402	0.20 ± 0.02	± 10%			C0402CH1C470K020BC	
	0402	0.20 ± 0.02	± 5%			C0402CH1C470J020BC	
47 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H470K030BA	C0603CH1E470K030BA		
р.		0.00 ± 0.00	± 5%	C0603CH1H470J030BA	C0603CH1E470J030BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H470J050BA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H470J080AA			
	0402	0.20 ± 0.02	± 10%			C0402CH1C560K020BC	
	0 102	0.20 ± 0.02	± 5%			C0402CH1C560J020BC	
56 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H560K030BA	C0603CH1E560K030BA		
50 pi		0.00 ± 0.00	± 5%	C0603CH1H560J030BA	C0603CH1E560J030BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H560J050BA			
	1608	0.80 ± 0.10	± 5%	C1608CH1H560J080AA			
	0402	0.20 ± 0.02	± 10%			C0402CH1C680K020B0	
	0402	0.20 ± 0.02	± 5%			C0402CH1C680J020BC	
68 pF	0603	0.30 ± 0.03	± 10%	C0603CH1H680K030BA	C0603CH1E680K030BA		
00 pi	0003	0.50 ± 0.05	± 5%	C0603CH1H680J030BA	C0603CH1E680J030BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H680J050BA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H680J080AA			
	0402	0.20 ± 0.02	± 10%			C0402CH1C820K020B0	
	0402	0.20 ± 0.02	± 5%			C0402CH1C820J020BC	
00 nE	0603	0.20 . 0.02	± 10%	C0603CH1H820K030BA	C0603CH1E820K030BA		
82 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H820J030BA	C0603CH1E820J030BA		
•	1005	0.50 ± 0.05	± 5%	C1005CH1H820J050BA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H820J080AA			
	0402	0.00 . 0.00	± 10%			C0402CH1C101K020B0	
100 pF -	0402 0.20 ± 0.02	0.20 ± 0.02	± 5%			C0402CH1C101J020BC	
	0000	0.20 . 0.02	± 10%	C0603CH1H101K030BA	C0603CH1E101K030BA		
	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H101J030BA	C0603CH1E101J030BA		
	1005	0.50 . 0.05	± 10%	C1005CH1H101K050BA			
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H101J050BA			
•	1000	0.00 - 0.10	± 10%	C1608CH1H101K080AA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H101J080AA			
	4005	0.50 0.05	± 10%	C1005CH1H121K050BA			
100	1005	005 0.50 ± 0.05	± 5%	C1005CH1H121J050BA			
120 pF	1000	1600	0.00 - 0.10	± 10%	C1608CH1H121K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H121J080AA			
	1005	0.50 0.05	± 10%	C1005CH1H151K050BA			
450 E	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H151J050BA			
150 pF	1000	0.00 0.10	± 10%	C1608CH1H151K080AA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H151J080AA			
	1005	0.50 0.05	± 10%	C1005CH1H181K050BA			
=	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H181J050BA			
180 pF			± 10%	C1608CH1H181K080AA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H181J080AA			
	100=	0.50 0.55	± 10%	C1005CH1H221K050BA			
000 -	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H221J050BA			
220 pF	1000	0.00	± 10%	C1608CH1H221K080AA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H221J080AA			
	1655	0.50 5.55	± 10%	C1005CH1H271K050BA			
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H271J050BA			
270 pF			± 10%	C1608CH1H271K080AA			
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H271J080AA			
			± 10%	C1005CH1H331K050BA			
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H331J050BA			
330 pF -			± 10%	C1608CH1H331K080AA			
	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H331J080AA			
			± 5% ± 10%	C1005CH1H391K050BA			
	1005	$0.50 \pm 0.05$					
390 pF	-		± 5%	C1005CH1H391J050BA			
	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H391K080AA			
			± 5%	C1608CH1H391J080AA			





1005 1608 1005	Thickness (mm) $0.50 \pm 0.05$ $0.80 \pm 0.10$	Capacitance           Tolerance           ± 10%           ± 5%           ± 10%	TDK Part Number Rated Voltage Edc: 50V C1005CH1H471K050BA C1005CH1H471J050BA	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
1608		± 5%	C1005CH1H471K050BA	<u> </u>	
1608			C1005CH1H471J050BA		
1005	0.80 ± 0.10	+ 10%			
1005	0.00 ± 0.10	± 1U/0	C1608CH1H471K080AA		
		± 5%	C1608CH1H471J080AA		
	0.50 ± 0.05	± 10%	C1005CH1H561K050BA		
1609	0.30 ± 0.03	± 5%	C1005CH1H561J050BA		
	0.80 ± 0.10	± 10%	C1608CH1H561K080AA		
1000	0.00 ± 0.10	± 5%	C1608CH1H561J080AA		
1005	0.50 ± 0.05	± 10%	C1005CH1H681K050BA		
1005	0.50 ± 0.05	± 5%	C1005CH1H681J050BA		
1608	0.80 ± 0.10	± 10%	C1608CH1H681K080AA		
1000	0.00 ± 0.10	± 5%	C1608CH1H681J080AA		
1005	0.50 + 0.05	± 10%	C1005CH1H821K050BA		
1000	0.00 ± 0.00	± 5%	C1005CH1H821J050BA		
1608	0.80 + 0.10	± 10%	C1608CH1H821K080AA		
1000	0.00 ± 0.10	± 5%	C1608CH1H821J080AA		
1005	0.50 ± 0.05	± 10%	C1005CH1H102K050BA		
1000	0.00 ± 0.00	± 5%	C1005CH1H102J050BA		
1608	0.80 + 0.10	± 10%	C1608CH1H102K080AA		
1000	0.00 ± 0.10	± 5%	C1608CH1H102J080AA		
2012	0.60 - 0.15	± 10%	C2012CH1H102K060AA		
2012	U.UU ± U.15	± 5%	C2012CH1H102J060AA		
1608 0.80 + 0	0.80 - 0.10	± 10%	C1608CH1H122K080AA		
1608	0.80 ± 0.10	± 5%	C1608CH1H122J080AA		
2012	0.60 . 0.15	± 10%	C2012CH1H122K060AA		
2012	0.60 ± 0.15	± 5%	C2012CH1H122J060AA		
1000	0.00 - 0.10	± 10%	C1608CH1H152K080AA		
1608	0.80 ± 0.10	± 5%	C1608CH1H152J080AA		
0010	0.00 - 0.15	± 10%	C2012CH1H152K060AA		
2012	0.60 ± 0.15	± 5%	C2012CH1H152J060AA		
1600	0.90 + 0.10	± 10%	C1608CH1H182K080AA		
1000	1000 0.00 ± 0.10	± 5%	C1608CH1H182J080AA		
2012	0.60 + 0.15	± 10%	C2012CH1H182K060AA		
2012	0.00 ± 0.15	± 5%	C2012CH1H182J060AA		
1608	0.80 ± 0.10	± 10%	C1608CH1H222K080AA		
1000	0.60 ± 0.10	± 5%	C1608CH1H222J080AA		
	0.60 + 0.15	± 10%	C2012CH1H222K060AA		
2012	0.00 ± 0.13	± 5%	C2012CH1H222J060AA		
_	$0.85 \pm 0.15$	± 5%	C2012CH1H222J085AA		
1600	0.00 / 0.10	± 10%	C1608CH1H272K080AA		
1008	U.OU ± U. IU	± 5%	C1608CH1H272J080AA		
2012	0.60 : 0.15	± 10%	C2012CH1H272K060AA		
2012	0.00 ± 0.15	± 5%	C2012CH1H272J060AA		
1600	0.00 : 0.10	± 10%	C1608CH1H332K080AA		
1608	0.80 ± 0.10	± 5%	C1608CH1H332J080AA		
-	0.00 - 0.15	± 10%	C2012CH1H332K060AA		
2012	U.6U ± U.15	± 5%	C2012CH1H332J060AA		
_	1.25 ± 0.20	± 5%	C2012CH1H332J125AA		
1000		± 10%	C1608CH1H392K080AA		
1608	$0.80 \pm 0.10$	± 5%	C1608CH1H392J080AA		
0010	0.00 0.15	± 10%	C2012CH1H392K060AA		
2012	$0.60 \pm 0.15$	± 5%	C2012CH1H392J060AA		
		± 10%			
3216	$0.60 \pm 0.15$				
1608	$0.80 \pm 0.10$				
		± 10%	C2012CH1H472K060AA		
2012	$0.60 \pm 0.15$	± 5%	C2012CH1H472J060AA		
-					
-		± 10%	C3216CH1H472K060AA		
	1608 2012 1608 2012 _ 1608 2012 3216	$1608$ $0.80 \pm 0.10$ $1005$ $0.50 \pm 0.05$ $1608$ $0.80 \pm 0.10$ $2012$ $0.60 \pm 0.15$ $1.25 \pm 0.20$ $1608$ $0.80 \pm 0.10$ $2012$ $0.60 \pm 0.15$ $1.25 \pm 0.20$ $1608$ $0.80 \pm 0.10$ $2012$ $0.60 \pm 0.15$ $1.25 \pm 0.20$ $1008$ $0.80 \pm 0.10$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1005         0.50 ± 0.05         ± 10%         C1005CH1H821K050BA           1608         0.80 ± 0.10         ± 5%         C1005CH1H821J050BA           1608         0.80 ± 0.10         ± 10%         C1608CH1H821J080AA           1005         0.50 ± 0.05         ± 5%         C1608CH1H102J050BA           1608         0.80 ± 0.10         ± 10%         C1608CH1H102J050BA           2012         0.60 ± 0.15         ± 5%         C1608CH1H102J050AA           2012         0.60 ± 0.15         ± 10%         C2012CH1H102J050AA           1608         0.80 ± 0.10         ± 5%         C2012CH1H102J050AA           2012         0.60 ± 0.15         ± 10%         C2012CH1H112ZW80AA           2012         0.60 ± 0.15         ± 5%         C2012CH1H12ZW80AA           2012         0.60 ± 0.15         ± 5%         C2012CH1H12ZW80AA           4 ± 5%         C2012CH1H15ZW80AA         ± 5%         C2012CH1H15ZW80AA           2012         0.60 ± 0.15         ± 5%         C2012CH1H13ZW80AA	1005         0.50 ± 0.05         ± 10%         C1005CH1H821K050BA           1608         0.80 ± 0.10         ± 10%         C1608CH1H821K050BA           1005         0.50 ± 0.05         ± 5%         C1608CH1H821K050BA           1005         0.50 ± 0.05         ± 10%         C1005CH1H102K050BA           1608         0.80 ± 0.10         ± 5%         C1608CH1H102K050BA           1608         0.80 ± 0.10         ± 5%         C1608CH1H102K050AA           2012         0.60 ± 0.15         ± 5%         C1608CH1H102K050AA           1608         0.80 ± 0.10         ± 10%         C2012CH1H102K050AA           1608         0.80 ± 0.10         ± 10%         C21608CH1H122K050AA           2012         0.60 ± 0.15         ± 10%         C2012CH1H122K050AA           2012         0.60 ± 0.15         ± 10%         C2012CH1H122K050AA           1608         0.80 ± 0.10         ± 5%         C2012CH1H152K050AA           2012         0.60 ± 0.15         ± 5%         C2012CH1H152K050AA           2012         0.60 ± 0.15         ± 10%         C2012CH1H152K050AA           2012         0.60 ± 0.15         ± 10%         C2012CH1H182K050AA           2012         0.60 ± 0.15         ± 10%         C2012CH1H182K050A





0	0:-	Thickness	Capacitance	TDK Part Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	1000	0.00 0.10	± 10%	C1608CH1H562K080AA	<u> </u>	
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H562J080AA		
			± 10%	C2012CH1H562K060AA		
5.6 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H562J060AA		
			± 10%	C3216CH1H562K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H562J060AA		
	1000	0.00 0.10	± 10%	C1608CH1H682K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H682J080AA		
	2010	0.00 0.15	± 10%	C2012CH1H682K060AA		
6.8 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H682J060AA		
	0040	0.00 0.45	± 10%	C3216CH1H682K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H682J060AA		
	1000	0.00 0.40	± 10%	C1608CH1H822K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H822J080AA		
0.0 5	0040	0.00 0.45	± 10%	C2012CH1H822K060AA		
8.2 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H822J060AA		
	0040	0.00 0.45	± 10%	C3216CH1H822K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H822J060AA		,
	1000	0.00 0.10	± 10%	C1608CH1H103K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H103J080AA		
40 5	0040	0.00 0.15	± 10%	C2012CH1H103K060AA		
10 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H103J060AA		
•	3216	0.00 0.15	± 10%	C3216CH1H103K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H103J060AA		
	2010	0.05 0.45	± 10%	C2012CH1H153K085AA		
45 5	2012	$0.85 \pm 0.15$	± 5%	C2012CH1H153J085AA		
15 nF -	0010	0.00 0.15	± 10%	C3216CH1H153K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H153J060AA		
	2010	1.05 0.00	± 10%	C2012CH1H223K125AA		
	2012	1.25 ± 0.20	± 5%	C2012CH1H223J125AA		
	2010	16 0.60 ± 0.15	± 10%	C3216CH1H223K060AA		
22 nF	3216		± 5%	C3216CH1H223J060AA		
	0005	1.05 0.00	± 10%	C3225CH1H223K125AA		
	3225	1.25 ± 0.20	± 5%	C3225CH1H223J125AA		
	0040	1.05 0.00	± 10%	C2012CH1H333K125AA		
	2012	1.25 ± 0.20	± 5%	C2012CH1H333J125AA		
	0040	0.05 0.45	± 10%	C3216CH1H333K085AA		
33 nF	3216	$0.85 \pm 0.15$	± 5%	C3216CH1H333J085AA		
	2005	1.00 0.00	± 10%	C3225CH1H333K160AA		
	3225	$1.60 \pm 0.20$	± 5%	C3225CH1H333J160AA		
	0010	4.45 0.45	± 10%	C3216CH1H473K115AA		
	3216	1.15 ± 0.15	± 5%	C3216CH1H473J115AA		
	200=	0.00	± 10%	C3225CH1H473K200AA		
47 nF	3225	$2.00 \pm 0.20$	± 5%	C3225CH1H473J200AA		
			± 10%	C4532CH1H473K160KA		
	4532	$1.60 \pm 0.20$	± 5%	C4532CH1H473J160KA		
			± 10%	C3216CH1H683K160AA		
	3216	$1.60 \pm 0.20$	± 5%	C3216CH1H683J160AA		
-			± 10%	C3225CH1H683K200AA		
68 nF	3225	$2.00 \pm 0.20$	± 5%	C3225CH1H683J200AA		
			± 10%	C4532CH1H683K160KA		
	4532	$1.60 \pm 0.20$	± 5%	C4532CH1H683J160KA		
			± 10%	C3216CH1H104K160AA		
	3216	$1.60 \pm 0.20$	± 5%	C3216CH1H104J160AA		
100 nF	3225	$2.50 \pm 0.30$	± 10% ± 5%	C3225CH1H104K250AA C3225CH1H104J250AA		
	4532	$2.00 \pm 0.20$	± 10%	C4532CH1H104K200KA		
			± 5%	C4532CH1H104J200KA		
150 nF	4532	$2.50 \pm 0.30$	± 10%	C4532CH1H154K250KA		
			± 5%	C4532CH1H154J250KA		





Temperature Characteristics: CH (-25 to +85°C, 0 ± 60 ppm/°C)

	Capacitance	Size	Thickness	Capacitance _ Tolerance	TDK Part Number		
		Size	(mm)		Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	220 nF	4532	3.20 ± 0.30	± 10%	C4532CH1H224K320KA		
		4552	3.20 ± 0.30	± 5%	C4532CH1H224J320KA		

#### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

Capacitance	Size	Thickness	Capacitance	TDK Part Number			
pas.iai 100	0.20	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	$0.20 \pm 0.02$	± 10%		,		004001040404040000
100 pF			± 20%			00000 IB4E404K000BA	C0402JB1C101M020BC
	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E101K030BA C0603JB1E101M030BA	
			± 20% ± 10%			C0603JBTET0TM030BA	C0402JB1C151K020BC
	0402	$0.20 \pm 0.02$	± 10% ± 20%				
150 pF			± 20%			C0603JB1E151K030BA	C0402JB1C151M020BC
	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E151M030BA	
			± 10%			COOCOURTE TO TIMOSOBA	C0402JB1C221K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402JB1C221M020B0
			± 10%			C0603JB1E221K030BA	00102001022111102000
220 pF	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E221M030BA	
•			± 10%	C1005JB1H221K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H221M050BA			
			± 10%				C0402JB1C331K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402JB1C331M020B0
220	0000	0.20 0.00	± 10%			C0603JB1E331K030BA	
330 pF	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E331M030BA	
	1005	0.50 0.05	± 10%	C1005JB1H331K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H331M050BA			
0.40	0402	0.20 . 0.02	± 10%				C0402JB1C471K020BC
		$0.20 \pm 0.02$	± 20%				C0402JB1C471M020B0
470 pF	0603	0.30 ± 0.03	± 10%			C0603JB1E471K030BA	
470 pi 000	0000	0.50 ± 0.05	± 20%			C0603JB1E471M030BA	
	1005	0.50 ± 0.05	± 10%	C1005JB1H471K050BA			
	1000	0.50 ± 0.05	± 20%	C1005JB1H471M050BA			
	0402	0.20 ± 0.02	± 10%				C0402JB1C681K020BC
	0 102	0.20 ± 0.02	± 20%				C0402JB1C681M020B0
680 pF	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E681K030BA	
		0.00 _ 0.00	± 20%			C0603JB1E681M030BA	
	1005	005 0.50 ± 0.05	± 10%	C1005JB1H681K050BA			
			± 20%	C1005JB1H681M050BA		00000 ID IT IONI/000D I	
	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E102K030BA	
1 nF			± 20%	01005   D41   1001/050D4	,	C0603JB1E102M030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H102K050BA			
			± 20%	C1005JB1H102M050BA		00000 ID4E4E0K000DA	
	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E152K030BA	
1.5 nF			± 20% ± 10%	C1005JB1H152K050BA		C0603JB1E152M030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H152M050BA			
			± 20%	C 1005JB IH 15ZW050BA		C0603JB1E222K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E222M030BA	
2.2 nF			± 10%	C1005JB1H222K050BA		COOCOOD ILZZZINIOOODA	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H222M050BA			
			± 10%	C 10000D 11 12221VI000DA		C0603JB1E332K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E332M030BA	
3.3 nF			± 10%	C1005JB1H332K050BA		300000D IEOOZIVIOOODA	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H332M050BA			
			± 10%		,		C0603JB1C472K030BA
	0603	$0.30 \pm 0.03$	± 20%				C0603JB1C472M030BA
4.7 nF			± 10%	C1005JB1H472K050BA	,		3111111 10 11 211100001
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H472M050BA			



## MULTILAYER CERAMIC CHIP CAPACITORS



#### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

Canacitance	Size	Thickness	Capacitance	TDK Part Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
6.8 nF	1005	0.50 ± 0.05	± 10%	C1005JB1H682K050BA			
0.0111	1000	0.00 ± 0.00	± 20%	C1005JB1H682M050BA			,
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H103K050BB		C1005JB1E103K050BA	
10 nF		0.00 = 0.00	± 20%	C1005JB1H103M050BB		C1005JB1E103M050BA	,
10 1	1608	0.80 ± 0.10	± 10%	C1608JB1H103K080AA			
			± 20%	C1608JB1H103M080AA			
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H153K050BB		C1005JB1E153K050BA	C1005JB1C153K050BA
15 nF			± 20%	C1005JB1H153M050BB		C1005JB1E153M050BA	C1005JB1C153M050BA
	1608	$0.80 \pm 0.10$	± 10%	C1608JB1H153K080AA			
			± 20%	C1608JB1H153M080AA		00000 ID (5000)(00000	,
	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E223K030BB	
			± 20%	0.1005   D.1   1000  / 0.50DD		C0603JB1E223M030BB	01005   D10000  (050D )
22 nF	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H223K050BB		C1005JB1E223K050BA	C1005JB1C223K050BA
			± 20%	C1005JB1H223M050BB		C1005JB1E223M050BA	C1005JB1C223M050BA
	1608	$0.80 \pm 0.10$	± 10%	C1608JB1H223K080AA			
			± 20%	C1608JB1H223M080AA		C100F ID1F000K0F0DA	C100E ID1C222K0E0DA
	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005JB1H333K050BB C1005JB1H333M050BB		C1005JB1E333K050BA C1005JB1E333M050BA	C1005JB1C333K050BA C1005JB1C333M050BA
33 nF ·			± 20% ± 10%	C1608JB1H333K080AA		C 10000B TESSSIVIUSUBA	C 10000B TC353W000BA
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H333M080AA			
			± 10%	C 10000D 11 1000101000AA		C0603JB1E473K030BB	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E473M030BB	
			± 10%	C1005JB1H473K050BB		C1005JB1E473K050BA	C1005JB1C473K050BA
47 nF	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H473M050BB		C1005JB1E473M050BA	C1005JB1C473M050BA
			± 10%	C1608JB1H473K080AA		0 10000B 12 17 0M000B/ (	O TOCOUR TO THOMOGORIA
160	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H473M080AA	-		
			± 10%	C1005JB1H683K050BB	C1005JB1V683K050BB	C1005JB1E683K050BC	C1005JB1C683K050BA
68 nF —	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H683M050BB	C1005JB1V683M050BB	C1005JB1E683M050BC	C1005JB1C683M050BA
			± 10%	C1608JB1H683K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H683M080AA			
	0000	0.00 0.00	± 10%		,	C0603JB1E104K030BB	C0603JB1C104K030BC
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E104M030BB	C0603JB1C104M030BC
	1005	0.50 0.05	± 10%	C1005JB1H104K050BB	C1005JB1V104K050BB	C1005JB1E104K050BC	C1005JB1C104K050BA
100 [	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H104M050BB	C1005JB1V104M050BB	C1005JB1E104M050BC	C1005JB1C104M050BA
100 nF	1000	0.00 - 0.10	± 10%	C1608JB1H104K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H104M080AA			
	2012	0.85 ± 0.15	± 10%	C2012JB1H104K085AA			
	2012	0.05 ± 0.15	± 20%	C2012JB1H104M085AA			
	0603	0.30 ± 0.03	± 10%			C0603JB1E154K030BC	C0603JB1C154K030BC
	0000	0.50 ± 0.05	± 20%			C0603JB1E154M030BC	C0603JB1C154M030BC
	1005	0.50 ± 0.05	± 10%				C1005JB1C154K050BB
150 nF	1000	0.00 ± 0.00	± 20%			C1005JB1E154M050BC	C1005JB1C154M050BB
	1608	0.80 ± 0.10	± 10%	C1608JB1H154K080AB	C1608JB1V154K080AB	C1608JB1E154K080AA	
			± 20%	C1608JB1H154M080AB	C1608JB1V154M080AB	C1608JB1E154M080AA	
	2012	0.85 ± 0.15	± 10%	C2012JB1H154K085AA			
			± 20%	C2012JB1H154M085AA			
	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E224K030BC	C0603JB1C224K030BC
			± 20%			C0603JB1E224M030BC	C0603JB1C224M030BC
	1005	$0.50 \pm 0.05$	± 10%			C1005JB1E224K050BC	C1005JB1C224K050BB
220 nF			± 20%	0.000 10.0	0.1000 ID 11.100 II.1000 ID	C1005JB1E224M050BC	C1005JB1C224M050BB
	1608	$0.80 \pm 0.10$	± 10%	C1608JB1H224K080AB	C1608JB1V224K080AB	C1608JB1E224K080AA	,
			± 20%	C1608JB1H224M080AB	C1608JB1V224M080AB	C1608JB1E224M080AA	
	2012	1.25 ± 0.20	± 10%	C2012JB1H224K125AA			
			± 20%	C2012JB1H224M125AA	C100E ID1//004//050D0	O400E ID4E004K0E0DD	O400E ID40004K0E0D0
	1005	$0.50 \pm 0.05$	± 10%		C1005JB1V334K050BC	C1005JB1E334K050BB	C1005JB1C334K050BC
			± 20%	C1600 IP1U224K000AP	C1609 IB1V334M050BC	C1609 IB1E334M050BB	C1609 IB1C334M050BC
330 nF	1608	$0.80 \pm 0.10$	± 10%	C1608JB1H334K080AB C1608JB1H334M080AB	C1608JB1V334K080AB C1608JB1V334M080AB	C1608JB1E334K080AC C1608JB1E334M080AC	C1608JB1C334K080AA
			± 20%		U TOUOJE I VSS4IVIUSUAB	U TOUOJO TESSATVIUOUAU	C1608JB1C334M080AA
	2012	$1.25 \pm 0.20$	± 10%	C2012JB1H334K125AA			
			± 20%	C2012JB1H334M125AA			







#### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

apacitance	Size	Thickness	Capacitance	TDK Part Number			
zapacitalice	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
470 nF	1005	0.50 ± 0.05	± 10%		C1005JB1V474K050BC	C1005JB1E474K050BB	C1005JB1C474K050B0
			± 20%		C1005JB1V474M050BC	C1005JB1E474M050BB	C1005JB1C474M050B0
	1608	0.80 ± 0.10	± 10%	C1608JB1H474K080AB	C1608JB1V474K080AB	C1608JB1E474K080AC	C1608JB1C474K080A
	1000	0.00 ± 0.10	± 20%	C1608JB1H474M080AB	C1608JB1V474M080AB	C1608JB1E474M080AC	C1608JB1C474M080A
	2012	1.25 ± 0.20	± 10%	C2012JB1H474K125AB			
			± 20%	C2012JB1H474M125AB			
680 nF	1005	$0.50 \pm 0.05$	± 10%		C1005JB1V684K050BC	C1005JB1E684K050BC	C1005JB1C684K050B
			± 20%		C1005JB1V684M050BC	C1005JB1E684M050BC	C1005JB1C684M050B
	1608	0.80 ± 0.10	± 10%	C1608JB1H684K080AB	C1608JB1V684K080AB	C1608JB1E684K080AC	C1608JB1C684K080A
			± 20%	C1608JB1H684M080AB	C1608JB1V684M080AB	C1608JB1E684M080AC	C1608JB1C684M080A
	2012	1.25 ± 0.20	± 10%	C2012JB1H684K125AB		C2012JB1E684K125AA	
	LOTE	1.20 ± 0.20	± 20%	C2012JB1H684M125AB		C2012JB1E684M125AA	
1 µF	1005	$0.50 \pm 0.05$	± 10%		C1005JB1V105K050BC	C1005JB1E105K050BC	C1005JB1C105K050B
	1000		± 20%		C1005JB1V105M050BC	C1005JB1E105M050BC	C1005JB1C105M050B
	1608	0.80 ± 0.10	± 10%	C1608JB1H105K080AB	C1608JB1V105K080AB	C1608JB1E105K080AC	C1608JB1C105K080A
	1000	0.00 ± 0.10	± 20%	C1608JB1H105M080AB	C1608JB1V105M080AB	C1608JB1E105M080AC	C1608JB1C105M080A
		0.85 ± 0.15	± 10%	C2012JB1H105K085AB	C2012JB1V105K085AB	C2012JB1E105K085AC	C2012JB1C105K085A
т рі	2012		± 20%	C2012JB1H105M085AB	C2012JB1V105M085AB	C2012JB1E105M085AC	C2012JB1C105M085A
	2012	1.25 ± 0.20	± 10%	C2012JB1H105K125AB		C2012JB1E105K125AA	
		1.25 ± 0.20	± 20%	C2012JB1H105M125AB		C2012JB1E105M125AA	
	3216	1.60 ± 0.20	± 10%	C3216JB1H105K160AA			
			± 20%	C3216JB1H105M160AA			
		0.50 ± 0.05	± 10%		C1005JB1V155K050BC		C1005JB1C155K050B
	1005	0.50 ± 0.10	± 20%		C1005JB1V155M050BC		C1005JB1C155M050E
			± 10%			C1005JB1E155K050BC	
			± 20%			C1005JB1E155M050BC	
1.5 μF	1608	0.80 ± 0.10	± 10%		C1608JB1V155K080AC	C1608JB1E155K080AB	C1608JB1C155K080A
			± 20%		C1608JB1V155M080AC	C1608JB1E155M080AB	C1608JB1C155M080A
		0.85 ± 0.15	± 10%			C2012JB1E155K085AC	
	2012		± 20%			C2012JB1E155M085AC	
		1.25 ± 0.20	± 10%	C2012JB1H155K125AB	C2012JB1V155K125AB	C2012JB1E155K125AB	C2012JB1C155K125A
		1.20 ± 0.20	± 20%	C2012JB1H155M125AB	C2012JB1V155M125AB	C2012JB1E155M125AB	C2012JB1C155M125A
	3216	1.60 ± 0.20	± 10%	C3216JB1H155K160AB		C3216JB1E155K160AA	
			± 20%	C3216JB1H155M160AB		C3216JB1E155M160AA	
	1005	0.50 +0.15/-0.10 ·	± 10%			C1005JB1E225K050BC	
			± 20%			C1005JB1E225M050BC	
			± 10%		C1005JB1V225K050BC		C1005JB1C225K050B
			± 20%		C1005JB1V225M050BC		C1005JB1C225M050B
	1608	0.80 ± 0.10	± 10%		C1608JB1V225K080AC	C1608JB1E225K080AB	C1608JB1C225K080A
	1000	0.00 ± 0.10	± 20%		C1608JB1V225M080AC	C1608JB1E225M080AB	C1608JB1C225M080A
		0.85 ± 0.15	± 10%	C2012JB1H225K085AB	C2012JB1V225K085AB	C2012JB1E225K085AB	C2012JB1C225K085A
	2012		± 20%	C2012JB1H225M085AB	C2012JB1V225M085AB	C2012JB1E225M085AB	C2012JB1C225M085A
	2012	1.25 ± 0.20	± 10%	C2012JB1H225K125AB	C2012JB1V225K125AB	C2012JB1E225K125AC	C2012JB1C225K125A
		1.23 ± 0.20	± 20%	C2012JB1H225M125AB	C2012JB1V225M125AB	C2012JB1E225M125AC	C2012JB1C225M125A
						00040 ID4E00EI(400AA	
	2010	1.00 - 0.00	± 10%	C3216JB1H225K160AB		C3216JB1E225K160AA	
	3216	1.60 ± 0.20	± 10% ± 20%	C3216JB1H225K160AB C3216JB1H225M160AB		C3216JB1E225K160AA	
	3216 3225	1.60 ± 0.20 2.00 ± 0.20	± 20%	C3216JB1H225M160AB			
		2.00 ± 0.20	± 20% ± 10%	C3216JB1H225M160AB C3225JB1H225K200AA			C1608JB1C335K080A
	3225		± 20% ± 10% ± 20%	C3216JB1H225M160AB C3225JB1H225K200AA		C3216JB1E225M160AA	
		2.00 ± 0.20 0.80 ± 0.10	± 20% ± 10% ± 20% ± 10%	C3216JB1H225M160AB C3225JB1H225K200AA	C1608JB1V335K080AC	C3216JB1E225M160AA  C1608JB1E335K080AC	
	3225	2.00 ± 0.20	± 20% ± 10% ± 20% ± 10% ± 20%	C3216JB1H225M160AB C3225JB1H225K200AA	C1608JB1V335K080AC C1608JB1V335M080AC	C3216JB1E225M160AA  C1608JB1E335K080AC	
	3225	$2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$	± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20%	C3216JB1H225M160AB C3225JB1H225K200AA		C3216JB1E225M160AA  C1608JB1E335K080AC	C1608JB1C335M080A
	3225	2.00 ± 0.20 0.80 ± 0.10	± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10%	C3216JB1H225M160AB C3225JB1H225K200AA		C3216JB1E225M160AA  C1608JB1E335K080AC	C1608JB1C335M080A
3.3 µF	3225 1608	$2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$ $0.60 \pm 0.15$	± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 20%	C3216JB1H225M160AB C3225JB1H225K200AA		C3216JB1E225M160AA  C1608JB1E335K080AC  C1608JB1E335M080AC	C1608JB1C335M080A C2012JB1C335K060A C2012JB1C335M060A
3.3 µF	3225	$2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$	± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 10%	C3216JB1H225M160AB C3225JB1H225K200AA		C3216JB1E225M160AA  C1608JB1E335K080AC  C1608JB1E335M080AC  C2012JB1E335K085AC	C1608JB1C335M080A  C2012JB1C335K060A  C2012JB1C335M060A  C2012JB1C335K085A
3.3 µF	3225 1608	$2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$ $0.60 \pm 0.15$	± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20%	C3216JB1H225M160AB C3225JB1H225K200AA C3225JB1H225M200AA	C1608JB1V335M080AC	C3216JB1E225M160AA  C1608JB1E335K080AC  C1608JB1E335M080AC  C2012JB1E335K085AC  C2012JB1E335K085AC	C1608JB1C335M080A  C2012JB1C335K060A  C2012JB1C335M060A  C2012JB1C335K085A  C2012JB1C335M085A
3.3 µF	3225 1608	$2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$ $0.60 \pm 0.15$	± 20%  ± 10%  ± 20%  ± 10%  ± 20%  ± 10%  ± 20%  ± 10%  ± 20%  ± 10%  ± 20%  ± 10%  ± 20%  ± 10%	C3216JB1H225M160AB C3225JB1H225K200AA C3225JB1H225M200AA  C3225JB1H335K125AB	C1608JB1V335M080AC  C2012JB1V335K125AC	C3216JB1E225M160AA  C1608JB1E335K080AC  C1608JB1E335M080AC  C1608JB1E335K085AC  C2012JB1E335K085AC  C2012JB1E335K085AC  C2012JB1E335K125AB	C1608JB1C335M080A  C2012JB1C335K060A  C2012JB1C335K060A  C2012JB1C335K085A  C2012JB1C335M085A  C2012JB1C335K125A
3.3 µF	3225 1608	$2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$ $0.60 \pm 0.15$ $0.85 \pm 0.15$	± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20%	C3216JB1H225M160AB C3225JB1H225K200AA C3225JB1H225M200AA	C1608JB1V335M080AC	C3216JB1E225M160AA  C1608JB1E335K080AC  C1608JB1E335M080AC  C2012JB1E335K085AC  C2012JB1E335K085AC	C1608JB1C335K080A C1608JB1C335M080A C2012JB1C335K060A C2012JB1C335K060A C2012JB1C335K085A C2012JB1C335K085A C2012JB1C335K125A C2012JB1C335K125A





### Class 2 (Temperature Stable)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16						
22.IE	2005	2.50 . 0.20	± 10%	C3225JB1H335K250AA									
3.3 µF	3225	$2.50 \pm 0.30$	± 20%	C3225JB1H335M250AA									
		0.00 - 0.10	± 10%			C1608JB1E475K080AC	C1608JB1C475K080A						
	1000	$0.80 \pm 0.10$	± 20%			C1608JB1E475M080AC	C1608JB1C475M080A						
	1608 -	0.00 0.00	± 10%		C1608JB1V475K080AC								
		$0.80 \pm 0.20$	± 20%		C1608JB1V475M080AC								
		0.00 0.15	± 10%				C2012JB1C475K060A						
		$0.60 \pm 0.15$	± 20%				C2012JB1C475M060A						
	-	0.05 0.15	± 10%			C2012JB1E475K085AC	C2012JB1C475K085A						
	2012	$0.85 \pm 0.15$	± 20%			C2012JB1E475M085AC	C2012JB1C475M085A						
47 5	_	1.05 0.00	± 10%	C2012JB1H475K125AB	C2012JB1V475K125AC	C2012JB1E475K125AB	C2012JB1C475K125A						
4.7 µF		1.25 ± 0.20	± 20%	C2012JB1H475M125AB	C2012JB1V475M125AC	C2012JB1E475M125AB	C2012JB1C475M125A						
			± 10%	C3216JB1H475K085AB	C3216JB1V475K085AB	C3216JB1E475K085AB							
		$0.85 \pm 0.10$	± 20%	C3216JB1H475M085AB	C3216JB1V475M085AB	C3216JB1E475M085AB							
	-		± 10%			C3216JB1E475K115AB							
	3216	1.15 ± 0.10	± 20%			C3216JB1E475M115AB							
	-		± 10%	C3216JB1H475K160AB	C3216JB1V475K160AB	C3216JB1E475K160AA							
		$1.60 \pm 0.20$	± 20%	C3216JB1H475M160AB	C3216JB1V475M160AB	C3216JB1E475M160AA							
			± 10%	C3225JB1H475K250AB									
	3225	$2.50 \pm 0.30$	± 10%	C3225JB1H475M250AB									
			± 10%	002200B 11 147 31V1230AB		C1608JB1E685K080AC	C1608JB1C685K080A						
	1608	$0.80 \pm 0.20$	± 10%			C1608JB1E685M080AC	C1608JB1C685M080A						
						C 10000B 1E000IVIOOOAC							
		$0.85 \pm 0.15$	± 10%				C2012JB1C685K085A						
	2012 -		± 20%		00040 ID4V0051/40540	00040 ID4E0051/40540	C2012JB1C685M085A						
		$1.25 \pm 0.20$	± 10%		C2012JB1V685K125AC	C2012JB1E685K125AC	C2012JB1C685K125A						
			± 20%	00040 ID41 I0051/400 AD	C2012JB1V685M125AC	C2012JB1E685M125AC	C2012JB1C685M125A						
6.8 µF	3216	1.60 ± 0.20	± 10%	C3216JB1H685K160AB	C3216JB1V685K160AB	C3216JB1E685K160AB	C3216JB1C685K160A						
			± 20%	C3216JB1H685M160AB	C3216JB1V685M160AB	C3216JB1E685M160AB	C3216JB1C685M160A						
		3225 -	3225 —	$2.00 \pm 0.20$	± 10%			C3225JB1E685K200AA	C3225JB1C685K200A				
	3225 -			3225 —	3225 —	3225 —		± 20%			C3225JB1E685M200AA	C3225JB1C685M200A	
		0220	0220	3223 -	0220	0220	0220	$2.50 \pm 0.30$	± 10%	C3225JB1H685K250AB			
			± 20%	C3225JB1H685M250AB									
	4532	$2.50 \pm 0.30$	± 10%	C4532JB1H685K250KA									
			± 20%	C4532JB1H685M250KA									
	1608	0.80 ± 0.20	± 20%			C1608JB1E106M080AC	C1608JB1C106M080A						
		0.85 ± 0.15	± 10%		C2012JB1V106K085AC	C2012JB1E106K085AC	C2012JB1C106K085A						
	2012 -		± 20%		C2012JB1V106M085AC	C2012JB1E106M085AC	C2012JB1C106M085A						
	2012	1.25 ± 0.20	± 10%		C2012JB1V106K125AC	C2012JB1E106K125AB	C2012JB1C106K125A						
		1.25 ± 0.20	± 20%		C2012JB1V106M125AC	C2012JB1E106M125AB	C2012JB1C106M125A						
		0.05 . 0.10	± 10%			C3216JB1E106K085AC	C3216JB1C106K085A						
	3216 -	0.85 ± 0.10	± 20%			C3216JB1E106M085AC	C3216JB1C106M085A						
10 μF	3210 -	1.00 - 0.00	± 10%	C3216JB1H106K160AB	C3216JB1V106K160AB	C3216JB1E106K160AB	C3216JB1C106K160A						
		$1.60 \pm 0.20$	± 20%	C3216JB1H106M160AB	C3216JB1V106M160AB	C3216JB1E106M160AB	C3216JB1C106M160A						
			± 10%				C3225JB1C106K200A						
	0005	$2.00 \pm 0.20$	± 20%				C3225JB1C106M200A						
	3225 -		± 10%	C3225JB1H106K250AB		C3225JB1E106K250AA							
		$2.50 \pm 0.30$	± 20%	C3225JB1H106M250AB		C3225JB1E106M250AA							
•			± 10%			C4532JB1E106K250KA							
	4532	$2.50 \pm 0.30$	± 20%			C4532JB1E106M250KA							
	2012	1.25 ± 0.20	± 20%		C2012JB1V156M125AC	C2012JB1E156M125AC	C2012JB1C156M125A						
15 μF	3216	1.60 ± 0.20	± 20%		C3216JB1V156M160AC	C3216JB1E156M160AB	C3216JB1C156M160A						
10 μΓ					OSZ TOJE I V TODIVI TOJAC	C3216JB1E156M160AB	C3216JB1C156M160A						
	3225	2.30 ± 0.20	± 20%			04002JD IE 100IVIZOUNA							
	2012 -	0.85 ± 0.15	± 20%		00040 ID4V0000440543	00040 ID4E000440540	C2012JB1C226M085A						
		1.25 ± 0.20	± 20%		C2012JB1V226M125AC	C2012JB1E226M125AC	C2012JB1C226M125A						
	3216	1.60 ± 0.20	± 20%		C3216JB1V226M160AC	C3216JB1E226M160AB	C3216JB1C226M160A						
22 µF	3225	2.50 ± 0.30	± 20%				C3225JB1C226M250A						
	4532 -	2.00 ± 0.20	± 20%		,		C4532JB1C226M200K						
	-502	$2.50 \pm 0.30$	± 20%			C4532JB1E226M250KA							
	5750	2.50 ± 0.30	± 20%			C5750JB1E226M250KA							





### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

	Capacitance	Size	Thickness	Capacitance	TDK Part Number			JB1E336M160AC
Сараспапсе	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V	
	33 µF ·	3216	$1.60 \pm 0.20$	± 20%			C3216JB1E336M160AC	C3216JB1C336M160AB
	33 μΓ	4532	$2.50 \pm 0.30$	± 20%				C4532JB1C336M250KA
	47 µF	3216	1.60 ± 0.20	± 20%	·		C3216JB1E476M160AC	C3216JB1C476M160AB

#### Class 2 (Temperature Stable)

Size	Thickness	Capacitance	TDK Part Number		
Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
0402	0.20 + 0.02	± 10%	C0402JB1A102K020BC	C0402JB0J102K020BC	C0402JB0G102K020BC
0402	0.20 ± 0.02	± 20%	C0402JB1A102M020BC	C0402JB0J102M020BC	C0402JB0G102M020B0
0402	0.20 + 0.02	± 10%	C0402JB1A152K020BC	C0402JB0J152K020BC	C0402JB0G152K020B0
0402	0.20 ± 0.02	± 20%	C0402JB1A152M020BC	C0402JB0J152M020BC	C0402JB0G152M020B0
0.400	0.00 . 0.00	± 10%	C0402JB1A222K020BC	C0402JB0J222K020BC	C0402JB0G222K020B0
0402	0.20 ± 0.02	± 20%	C0402JB1A222M020BC	C0402JB0J222M020BC	C0402JB0G222M020B0
0.400	0.00 0.00	± 10%	C0402JB1A332K020BC	C0402JB0J332K020BC	C0402JB0G332K020B0
0402	0.20 ± 0.02	± 20%	C0402JB1A332M020BC	C0402JB0J332M020BC	C0402JB0G332M020B0
0400	0.00 . 0.00	± 10%	C0402JB1A472K020BC	C0402JB0J472K020BC	C0402JB0G472K020B0
0402	0.20 ± 0.02	± 20%	C0402JB1A472M020BC	C0402JB0J472M020BC	C0402JB0G472M020B0
0.400	0.00 0.00	± 10%	C0402JB1A682K020BC	C0402JB0J682K020BC	C0402JB0G682K020B0
0402	$0.20 \pm 0.02$	± 20%	C0402JB1A682M020BC	C0402JB0J682M020BC	C0402JB0G682M020B0
		± 10%	C0603JB1A682K030BA		
0603	$0.30 \pm 0.03$	± 20%	C0603JB1A682M030BA		
		± 10%	C0402JB1A103K020BC	C0402JB0J103K020BC	C0402JB0G103K020B0
0402	$0.20 \pm 0.02$	± 20%	C0402JB1A103M020BC	C0402JB0J103M020BC	C0402JB0G103M020B0
		± 10%	C0603JB1A103K030BA		
0603	$0.30 \pm 0.03$				
			C0603JB1A153K030BC	C0603JB0J153K030BA	
0603	$0.30 \pm 0.03$		C0603JB1A153M030BC		
0603	$0.30 \pm 0.03$				
0603	$0.30 \pm 0.03$				,
0603	$0.30 \pm 0.03$			1	
1005	$0.50 \pm 0.05$				
				C0603JB0J683K030BC	
0603	$0.30 \pm 0.03$				
					,
1005	$0.50 \pm 0.05$				
				C0603.IB0.I104K030BC	
0603	$0.30 \pm 0.03$				
1005	$0.50 \pm 0.05$				
				C0603.IB0.I154K030BB	
0603	$0.30 \pm 0.03$				
		-			
1005	$0.50 \pm 0.05$				
0603	$0.30 \pm 0.03$				
1005	$0.50 \pm 0.05$				
				- 10000D002Z4W000DD	
0603	$0.30 \pm 0.03$			CUEUS IBU ISSAMUSUBO	
1005	$0.50 \pm 0.05$				,
	0.00 0.00	± 20% ± 20%	C0603JB1A474M030BC	C1005JB0J334M050BB	
UEUS					
0603	$0.30 \pm 0.03$	± 20%	C1005JB1A474K050BB	C1005JB0J474K050BB	
	0402 0402 0402 0402 0402 0402 0402 0603 0603 0603 0603 1005 0603 1005 0603 1005 0603	Size         (mm)           0402         0.20 ± 0.02           0402         0.20 ± 0.02           0402         0.20 ± 0.02           0402         0.20 ± 0.02           0402         0.20 ± 0.02           0402         0.20 ± 0.02           0603         0.30 ± 0.03           0603         0.30 ± 0.03           0603         0.30 ± 0.03           0603         0.30 ± 0.03           0603         0.30 ± 0.03           0603         0.30 ± 0.03           1005         0.50 ± 0.05           0603         0.30 ± 0.03           1005         0.50 ± 0.05           0603         0.30 ± 0.03           1005         0.50 ± 0.05           0603         0.30 ± 0.03           1005         0.50 ± 0.05           0603         0.30 ± 0.03           1005         0.50 ± 0.05           0603         0.30 ± 0.03           1005         0.50 ± 0.05           0603         0.30 ± 0.03           1005         0.50 ± 0.05           0603         0.30 ± 0.03	Size         (mm)         Tolerance $0402$ $0.20 \pm 0.02$ $\pm 10\%$ $0402$ $0.20 \pm 0.02$ $\pm 10\%$ $0402$ $0.20 \pm 0.02$ $\pm 20\%$ $0402$ $0.20 \pm 0.02$ $\pm 10\%$ $\pm 20\%$ $\pm 10\%$ $\pm 20\%$ $0603$ $0.30 \pm 0.03$ $\pm 10\%$ $0603$ $0.30 \pm 0.05$ $\pm 10\%$ $0603$ $0.30 \pm 0.05$	Tolerance   Tolerance   Rated Voltage Edc: 10V	Mode         (mm)         Tolerance         Rated Voltage Edic: 10V         Rated Voltage Edic: 6.3V           0402         0.20 ± 0.02         ± 10%         CO402JB1A102K020BC         C0402JB0J102K020BC           0402         0.20 ± 0.02         ± 10%         CO402JB1A15ZM020BC         C0402JB0J15ZM020BC           0402         0.20 ± 0.02         ± 10%         C0402JB1A15ZM020BC         C0402JB0J15ZM020BC           0402         0.20 ± 0.02         ± 20%         C0402JB1A3ZM020BC         C0402JB0J12ZM020BC           0402         0.20 ± 0.02         ± 10%         C0402JB1A3ZM020BC         C0402JB0J3ZM020BC           0402         0.20 ± 0.02         ± 10%         C0402JB1A3ZM020BC         C0402JB0J3ZM020BC           0402         0.20 ± 0.02         ± 10%         C0402JB1A3ZM020BC         C0402JB0J3ZM020BC           0402         0.20 ± 0.02         ± 20%         C0402JB1A3ZM020BC         C0402JB0J3ZM020BC           0402         0.20 ± 0.02         ± 20%         C0402JB1A6ZEM020BC         C0402JB0J3SM020BC           0603         0.30 ± 0.03         ± 10%         C0603JB1A6SEM030BA         C0603JB1A6SEM030BA           0603         0.30 ± 0.03         ± 10%         C0603JB1A10SK020BC         C0402JB0J10SK020BC           0603         0.30 ± 0.03





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number	Dotod Voltogo Edo: 6 0) /	Dotod Voltage Edg: 414
		(111111)	± 10%	Rated Voltage Edc: 10V C1005JB1A684K050BC	Rated Voltage Edc: 6.3V C1005JB0J684K050BB	Rated Voltage Edc: 4V
	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005JB1A684K050BC	C1005JB0J684K050BB	
680 nF			± 20% ± 10%	C1608JB1A684K080AC	C 1003JB0J004IVI030BB	,
	1608	0.80 +0.15/-0.10	± 10%	C1608JB1A684M080AC		
		-	± 10%	C1005JB1A105K050BB	C1005JB0J105K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A105M050BB	C1005JB0J105M050BB	
1 μF			± 10%	C1608JB1A105K080AC	O 10000B00 100M000BB	
	1608	0.80 +0.15/-0.10	± 20%	C1608JB1A105M080AC		
			± 10%	C1005JB1A155K050BC	C1005JB0J155K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A155M050BC	C1005JB0J155M050BB	
1.5 μF			± 10%	C1608JB1A155K080AC	C1608JB0J155K080AB	
1608		$0.80 \pm 0.10$	± 20%	C1608JB1A155M080AC	C1608JB0J155M080AB	
			± 10%	C1005JB1A225K050BC	C1005JB0J225K050BC	C1005JB0G225K050B
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A225M050BC	C1005JB0J225M050BC	C1005JB0G225M050B
			± 10%	C1608JB1A225K080AC	C1608JB0J225K080AB	
2.2 µF	1608	0.80 +0.20/-0.10	± 20%	C1608JB1A225M080AC	C1608JB0J225M080AB	
			± 10%	C2012JB1A225K085AA		
	2012	0.85 ± 0.15	± 20%	C2012JB1A225M085AA		
			± 10%	C1005JB1A335K050BC	C1005JB0J335K050BC	C1005JB0G335K050B
	1005	0.50 ± 0.10	± 20%	C1005JB1A335M050BC	C1005JB0J335M050BC	C1005JB0G335M050B
•			± 10%		C1608JB0J335K080AB	
00 5	1000	0.80 +0.20/-0.10	± 20%		C1608JB0J335M080AB	
3.3 µF	1608		± 10%	C1608JB1A335K080AB	,	
		0.80 ± 0.10	± 20%	C1608JB1A335M080AB		
•			± 10%	C2012JB1A335K125AA	,	
	2012	1.25 ± 0.20	± 20%	C2012JB1A335M125AA		
		0.50 0.15/0.40	± 10%	C1005JB1A475K050BC	C1005JB0J475K050BC	C1005JB0G475K050Bl
	1005	0.50 +0.15/-0.10	± 20%	C1005JB1A475M050BC	C1005JB0J475M050BC	C1005JB0G475M050B
•		0.00 0.00/0.40	± 10%		C1608JB0J475K080AB	
	1000	0.80 +0.20/-0.10	± 20%		C1608JB0J475M080AB	
	1608	0.00 - 0.10	± 10%	C1608JB1A475K080AB		
47		0.80 ± 0.10	± 20%	C1608JB1A475M080AB		
4.7 µF		0.00 - 0.15	± 10%	C2012JB1A475K060AB		
		0.60 ± 0.15	± 20%	C2012JB1A475M060AB		
	2012	0.05 . 0.15	± 10%		C2012JB0J475K085AB	
	2012	0.85 ± 0.15	± 20%		C2012JB0J475M085AB	
		1.05 . 0.00	± 10%	C2012JB1A475K125AA		
		1.25 ± 0.20	± 20%	C2012JB1A475M125AA		
	1608	0.80 ± 0.10	± 10%	C1608JB1A685K080AC	C1608JB0J685K080AB	
	1000	0.00 ± 0.10	± 20%	C1608JB1A685M080AC	C1608JB0J685M080AB	
		0.60 ± 0.15	± 10%	C2012JB1A685K060AC		
6.8 µF		0.00 ± 0.10	± 20%	C2012JB1A685M060AC		
0.0 μι	2012	0.85 ± 0.15	± 10%	C2012JB1A685K085AC	C2012JB0J685K085AB	
	2012	0.05 ± 0.15	± 20%	C2012JB1A685M085AC	C2012JB0J685M085AB	
		1.25 ± 0.20	± 10%	C2012JB1A685K125AC	C2012JB0J685K125AB	
		1.25 ± 0.20	± 20%	C2012JB1A685M125AC	C2012JB0J685M125AB	
	1608	0.80 ± 0.10	± 10%	C1608JB1A106K080AC	C1608JB0J106K080AB	
	1000	0.00 ± 0.10	± 20%	C1608JB1A106M080AC	C1608JB0J106M080AB	
		0.85 ± 0.15	± 10%	C2012JB1A106K085AC	C2012JB0J106K085AB	
10 μF	2012		± 20%	C2012JB1A106M085AC	C2012JB0J106M085AB	
. o pi	2012	1.25 ± 0.20	± 10%	C2012JB1A106K125AC	C2012JB0J106K125AB	
		1.20 ± 0.20	± 20%	C2012JB1A106M125AC	C2012JB0J106M125AB	
	3216	1.60 ± 0.20	± 10%	C3216JB1A106K160AA		
	0210	1.00 ± 0.20	± 20%	C3216JB1A106M160AA		
	1608	0.80 ± 0.20	± 20%	C1608JB1A156M080AC	C1608JB0J156M080AC	C1608JB0G156M080A
	2012	0.85 ± 0.15	± 20%	C2012JB1A156M085AC	C2012JB0J156M085AB	
15 μF	2012	1.25 ± 0.20	± 20%	C2012JB1A156M125AB	C2012JB0J156M125AC	
,	3216	1.60 ± 0.20	± 20%	C3216JB1A156M160AC		
	3225	$2.30 \pm 0.20$	± 20%	C3225JB1A156M230AA		





Temperature Characteristics: JB (-25 to +85°C, ±10%)

Canacitanas	Cino	Thickness	Capacitance	TDK Part Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
	1608	$0.80 \pm 0.20$	± 20%	C1608JB1A226M080AC	C1608JB0J226M080AC	C1608JB0G226M080AA
	2012	0.85 ± 0.15	± 20%	C2012JB1A226M085AC	C2012JB0J226M085AB	
22 µF	2012	1.25 ± 0.20	± 20%	C2012JB1A226M125AB	C2012JB0J226M125AC	
	3216	1.60 ± 0.20	± 20%	C3216JB1A226M160AC		
	3225	2.50 ± 0.30	± 20%	C3225JB1A226M250AA		
	2012	1.25 ± 0.20	± 20%	C2012JB1A336M125AC	C2012JB0J336M125AC	
33 µF	3216	1.30 ± 0.10	± 20%		C3216JB0J336M130AC	
	3210	1.60 ± 0.20	± 20%	C3216JB1A336M160AB		
47 uE	2012	1.25 ± 0.20	± 20%	C2012JB1A476M125AC	C2012JB0J476M125AC	
47 μF	3216	1.60 ± 0.20	± 20%	C3216JB1A476M160AB	C3216JB0J476M160AC	
68 µF	3216	1.60 ± 0.20	± 20%	C3216JB1A686M160AC	C3216JB0J686M160AB	_
оо µг	3225	2.00 ± 0.20	± 20%		C3225JB0J686M200AC	
	3216	1.60 +0.30/-0.10	± 20%		C3216JB0J107M160AB	
100 μF	3210	1.60 ± 0.20	± 20%	C3216JB1A107M160AC		-
	3225	2.50 ± 0.30	± 20%		C3225JB0J107M250AC	

### Class 2 (Temperature Stable)

		Thickness	Capacitance	TDK Part Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0.400	0.00 0.00	± 10%				C0402X5R1C101K020BC
100 [	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C101M020BC
100 pF	0000	0.00 0.00	± 10%			C0603X5R1E101K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E101M030BA	
	0.400	0.00 0.00	± 10%				C0402X5R1C151K020BC
150 E	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C151M020BC
150 pF	0000	0.00 0.00	± 10%			C0603X5R1E151K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E151M030BA	
	0.400	0.00 0.00	± 10%				C0402X5R1C221K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C221M020BC
000 5	0000	0.00 0.00	± 10%			C0603X5R1E221K030BA	
220 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E221M030BA	
1005 0.	0.50 0.05	± 10%	C1005X5R1H221K050BA				
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H221M050BA			
	0.400	0.00 0.00	± 10%				C0402X5R1C331K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C331M020BC
000 5	0000	0.00 0.00	± 10%			C0603X5R1E331K030BA	
330 pF	330 pF 0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E331M030BA	
-	1005	0.50 0.05	± 10%	C1005X5R1H331K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H331M050BA			
	0.400	0.00	± 10%				C0402X5R1C471K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C471M020BC
470 -	0000		± 10%			C0603X5R1E471K030BA	
470 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E471M030BA	
			± 10%	C1005X5R1H471K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H471M050BA			
			± 10%				C0402X5R1C681K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C681M020BC
			± 10%			C0603X5R1E681K030BA	
680 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E681M030BA	
•			± 10%	C1005X5R1H681K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H681M050BA			
			± 10%			C0603X5R1E102K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E102M030BA	
1 nF —			± 10%	C1005X5R1H102K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H102M050BA			
			± 10%			C0603X5R1E152K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E152M030BA	
1.5 nF			± 10%	C1005X5R1H152K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H152M050BA			







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		,	± 10%	Nated Voltage Luc. 30 V	Nated Voltage Luc. 33V	C0603X5R1E222K030BA	Trated Voltage Luc. 10V
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E222M030BA	
2.2 nF			± 10%	C1005X5R1H222K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H222M050BA			
			± 10%			C0603X5R1E332K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E332M030BA	
3.3 nF			± 10%	C1005X5R1H332K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H332M050BA			
			± 10%	0.000,000,000			C0603X5R1C472K030B
	0603	$0.30 \pm 0.03$	± 20%				C0603X5R1C472M030B
4.7 nF			± 10%	C1005X5R1H472K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H472M050BA			
			± 10%	C1005X5R1H682K050BA			
6.8 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H682M050BA			
			± 10%	C1005X5R1H103K050BB		C1005X5R1E103K050BA	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H103M050BB		C1005X5R1E103M050BA	
10 nF			± 10%	C1608X5R1H103K080AA		C 1000X3111E 100IVI000B/C	
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H103M080AA			
			± 10%	C1005X5R1H153K050BB		C1005X5R1E153K050BA	C1005X5R1C153K050B
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H153M050BB		C1005X5R1E153M050BA	C1005X5R1C153M050B
15 nF			± 10%	C1608X5R1H153K080AA		C 1003X3111E 1331V1030BA	C 1000X3111C 1331V1030L
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H153M080AA			
			± 10%	CTOOOXSHTITTSSIVIOOOXA		C0603X5R1E223K030BB	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E223M030BB	
,			± 20% ± 10%	C1005X5R1H223K050BB		C1005X5R1E223K050BA	C1005X5R1C223K050B
22 nF	1005	$0.50 \pm 0.05$					C1005X5R1C223M050B
			± 20% ± 10%	C1005X5R1H223M050BB C1608X5R1H223K080AA		C1005X5R1E223M050BA	C 1003A3H 10223W030B
	1608	$0.80 \pm 0.10$	± 10% ± 20%				
				C1608X5R1H223M080AA		C100EVED1E333V0E0DA	C100EVED1C222V0E0D
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H333K050BB		C1005X5R1E333K050BA	C1005X5R1C333K050B
33 nF			± 20%	C1005X5R1H333M050BB		C1005X5R1E333M050BA	C1005X5R1C333M050B
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H333K080AA			
			± 20%	C1608X5R1H333M080AA		000000000000000000000000000000000000000	
	0603	$0.30 \pm 0.03$	± 10%			C0603X5R1E473K030BB	
			± 20%	C100EVED111472V0E0DD		C0603X5R1E473M030BB	C100EVED1C470V0E0D
47 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H473K050BB		C1005X5R1E473K050BA	C1005X5R1C473K050B
			± 20%	C1005X5R1H473M050BB		C1005X5R1E473M050BA	C1005X5R1C473M050B
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H473K080AA			
			± 20%	C1608X5R1H473M080AA	0400576047000705000	0400576045000705000	0400EVED40000V0E0D
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H683K050BB	C1005X5R1V683K050BB	C1005X5R1E683K050BC	C1005X5R1C683K050B
68 nF			± 20%	C1005X5R1H683M050BB	C1005X5R1V683M050BB	C1005X5R1E683M050BC	C1005X5R1C683M050B
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H683K080AA			
			± 20%	C1608X5R1H683M080AA			000001/55101011/0005
	0603	$0.30 \pm 0.03$	± 10%			C0603X5R1E104K030BB	C0603X5R1C104K030B
			± 20%			C0603X5R1E104M030BB	C0603X5R1C104M030B
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H104K050BB	C1005X5R1V104K050BB	C1005X5R1E104K050BC	C1005X5R1C104K050B
100 nF			± 20%	C1005X5R1H104M050BB	C1005X5R1V104M050BB	C1005X5R1E104M050BC	C1005X5R1C104M050B
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H104K080AA			
			± 20%	C1608X5R1H104M080AA			
	2012	0.85 ± 0.15	± 10%	C2012X5R1H104K085AA			
	2012	0.00 ± 0.10	± 20%	C2012X5R1H104M085AA			
	0603	$0.30 \pm 0.03$	± 10%			C0603X5R1E154K030BC	C0603X5R1C154K030B
		0.00 ± 0.00	± 20%			C0603X5R1E154M030BC	C0603X5R1C154M030B
	1005	$0.50 \pm 0.05$	± 10%			C1005X5R1E154K050BC	C1005X5R1C154K050B
150 nF	1000	0.50 ± 0.05	± 20%			C1005X5R1E154M050BC	C1005X5R1C154M050E
150 111	1608	0.80 ± 0.10	± 10%	C1608X5R1H154K080AB	C1608X5R1V154K080AB	C1608X5R1E154K080AA	
	1000	0.00 ± 0.10	± 20%	C1608X5R1H154M080AB	C1608X5R1V154M080AB	C1608X5R1E154M080AA	
•	2012	0.85 ± 0.15	± 10%	C2012X5R1H154K085AA			
	2012	U.UU ± U.15	± 20%	C2012X5R1H154M085AA			
	0000	0.20 0.00	± 10%			C0603X5R1E224K030BC	C0603X5R1C224K030B
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E224M030BC	C0603X5R1C224M030B
		0.50 0.55	± 10%			C1005X5R1E224K050BC	C1005X5R1C224K050B
		$0.50 \pm 0.05$				C1005X5R1E224M050BC	C1005X5R1C224M050B
220 nF	1005	0.00 ± 0.00	± 20%				
220 nF	1005	0.80 ± 0.10	± 20% ± 10%	C1608X5R1H224K080AB	C1608X5R1V224K080AB	C1608X5R1E224K080AA	01000X01110224W000D







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number	Dated Valtage Edge OFL'	Dotod Voltage Edge OFV	Dotod Valtage Edge 601
		(11111)		Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
220 nF	2012	$1.25 \pm 0.20$	± 10%	C2012X5R1H224K125AA			
			± 20%	C2012X5R1H224M125AA	C100EVED1//224K0E0DC	C100EVED1E224K0E0DD	C100EVED10004K0E0D0
	1005	$0.50 \pm 0.05$	± 10%		C1005X5R1V334K050BC	C1005X5R1E334K050BB C1005X5R1E334M050BB	C1005X5R1C334K050B0
		-	± 20%	O4000VED4LI004V000AD	C1005X5R1V334M050BC		C1005X5R1C334M050B
330 nF	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H334K080AB	C1608X5R1V334K080AB	C1608X5R1E334K080AC	C1608X5R1C334K080A
			± 20%	C1608X5R1H334M080AB	C1608X5R1V334M080AB	C1608X5R1E334M080AC	C1608X5R1C334M080A
	2012	$1.25 \pm 0.20$	± 10%	C2012X5R1H334K125AA			
			± 20%	C2012X5R1H334M125AA	0400576047424705000	0400576045424705000	04005V5D40474V050D
	1005	$0.50 \pm 0.05$	± 10%		C1005X5R1V474K050BC	C1005X5R1E474K050BB	C1005X5R1C474K050B
			± 20%	C1000VED4LI474K000AD	C1005X5R1V474M050BC	C1005X5R1E474M050BB	C1005X5R1C474M050B
470 nF	1608	$0.80 \pm 0.10$	± 10% ± 20%	C1608X5R1H474K080AB C1608X5R1H474M080AB	C1608X5R1V474K080AB C1608X5R1V474M080AB	C1608X5R1E474K080AC C1608X5R1E474M080AC	C1608X5R1C474K080A C1608X5R1C474M080A
			± 20%		C 1000A3N 1 V4 / 4 IVIOOUAD	C 1000A3N 1E474W000AC	C 1000A3H 1C474W000A
	2012	$1.25 \pm 0.20$	± 10% ± 20%	C2012X5R1H474K125AB C2012X5R1H474M125AB			
				C2012A3N1H474W123AB	C100EVED1VEQ4K0E0DC	C1005X5R1E684K050BC	C1005X5R1C684K050B
	1005	$0.50 \pm 0.05$	± 10% ± 20%		C1005X5R1V684K050BC		
				C1000VED4LIC04I/000AD	C1005X5R1V684M050BC	C1005X5R1E684M050BC	C1005X5R1C684M050B
680 nF	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H684K080AB	C1608X5R1V684K080AB	C1608X5R1E684K080AC C1608X5R1E684M080AC	C1608X5R1C684K080A
			± 20%	C1608X5R1H684M080AB	C1608X5R1V684M080AB		C1608X5R1C684M080A
	2012	$1.25 \pm 0.20$	± 10%	C2012X5R1H684K125AB		C2012X5R1E684K125AA	
			± 20%	C2012X5R1H684M125AB	0400576047405705000	C2012X5R1E684M125AA	0400EVED4040EV0E0D
	1005	$0.50 \pm 0.05$	± 10%		C1005X5R1V105K050BC	C1005X5R1E105K050BC	C1005X5R1C105K050B
			± 20%	C1000VED1LI10EK000AD	C1005X5R1V105M050BC	C1005X5R1E105M050BC	C1005X5R1C105M050B
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H105K080AB	C1608X5R1V105K080AB	C1608X5R1E105K080AC	C1608X5R1C105K080A
			± 20%	C1608X5R1H105M080AB	C1608X5R1V105M080AB	C1608X5R1E105M080AC	C1608X5R1C105M080A
1 µF		$0.85 \pm 0.15$	± 10%	C2012X5R1H105K085AB	C2012X5R1V105K085AB	C2012X5R1E105K085AC	C2012X5R1C105K085A
	2012		± 20%	C2012X5R1H105M085AB	C2012X5R1V105M085AB	C2012X5R1E105M085AC	C2012X5R1C105M085A
		1.25 ± 0.20	± 10%	C2012X5R1H105K125AB		C2012X5R1E105K125AA	
			± 20%	C2012X5R1H105M125AB		C2012X5R1E105M125AA	
	3216	$1.60 \pm 0.20$	± 10%	C3216X5R1H105K160AA			
			± 20%	C3216X5R1H105M160AA	04005760474466700000		
		0.50 +0.15/-0.10	± 10%		C1005X5R1V155K050BC		
			± 20%		C1005X5R1V155M050BC		C100EVED1C1EEK0E0D
	1005	$0.50 \pm 0.05$	± 10% ± 20%				C1005X5R1C155K050B
						C100EVED1E1EEV0E0D0	C1005X5R1C155M050B
		$0.50 \pm 0.10$	± 10% ± 20%			C1005X5R1E155K050BC C1005X5R1E155M050BC	
					C1C00VED4V4EEV000AC		C1000VED1C1EEK000A
1.5 µF	1608	$0.80 \pm 0.10$	± 10%		C1608X5R1V155K080AC C1608X5R1V155M080AC	C1608X5R1E155K080AB	C1608X5R1C155K080A C1608X5R1C155M080A
			± 20%		C 1608X5R 1 V 1551VI080AC	C1608X5R1E155M080AB	C 1608X3H 1C 1331VI080A
		$0.85 \pm 0.15$	± 10%			C2012X5R1E155K085AC	
	2012		± 20%	OOOAOVEDALIAEEVAOEAD	00040VED4V4EEV40EAD	C2012X5R1E155M085AC	00040VED404EEV40EA
		$1.25 \pm 0.20$	± 10%	C2012X5R1H155K125AB	C2012X5R1V155K125AB	C2012X5R1E155K125AA	C2012X5R1C155K125A
			± 20%	C2012X5R1H155M125AB	C2012X5R1V155M125AB	C2012X5R1E155M125AA	C2012X5R1C155M125A
	3216	$1.60 \pm 0.20$	± 10%	C3216X5R1H155K160AB		C3216X5R1E155K160AA	
			± 20%	C3216X5R1H155M160AB	O400EVED4)/00E/(0E020	C3216X5R1E155M160AA	
		0.50 +0.10/-0.15	± 10%		C1005X5R1V225K050BC		
			± 20%		C1005X5R1V225M050BC	O100EVED1E00EV0E0D0	
	1005	0.50 +0.15/-0.10	± 10%			C1005X5R1E225K050BC	
			± 20%			C1005X5R1E225M050BC	0.10051/55.00051/0505
		$0.50 \pm 0.05$	± 10%				C1005X5R1C225K050B
			± 20%				C1005X5R1C225M050B
	1608	$0.80 \pm 0.10$	± 10%		C1608X5R1V225K080AC	C1608X5R1E225K080AB	C1608X5R1C225K080A
2.2 µF			± 20%	00010155	C1608X5R1V225M080AC	C1608X5R1E225M080AB	C1608X5R1C225M080A
r		0.85 ± 0.15	± 10%	C2012X5R1H225K085AB	C2012X5R1V225K085AB	C2012X5R1E225K085AC	C2012X5R1C225K085A
	2012		± 20%	C2012X5R1H225M085AB	C2012X5R1V225M085AB	C2012X5R1E225M085AC	C2012X5R1C225M085A
	_0.2	1.25 ± 0.20	± 10%	C2012X5R1H225K125AB	C2012X5R1V225K125AB	C2012X5R1E225K125AC	C2012X5R1C225K125A
		1.20 ± 0.20	± 20%	C2012X5R1H225M125AB	C2012X5R1V225M125AB	C2012X5R1E225M125AC	C2012X5R1C225M125A
	3216	1.60 ± 0.20	± 10%	C3216X5R1H225K160AB		C3216X5R1E225K160AA	
	JZ 10	1.00 ± 0.20	± 20%	C3216X5R1H225M160AB		C3216X5R1E225M160AA	
•	2225	2.50 . 0.20	± 10%	C3225X5R1H225K250AB			
	3225	$2.50 \pm 0.30$	± 20%	C3225X5R1H225M250AB			





### Class 2 (Temperature Stable)

Capacitance	Size	Thickness	Capacitance	TDK Part Number							
p		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V				
		$0.80 \pm 0.10$	± 10%			C1608X5R1E335K080AC	C1608X5R1C335K080AC				
	1608 -		± 20%		04000VED4V00EV00040	C1608X5R1E335M080AC	C1608X5R1C335M080AC				
		$0.80 \pm 0.20$	± 10%		C1608X5R1V335K080AC						
			± 20%		C1608X5R1V335M080AC		00040VED4000EV00046				
		$0.60 \pm 0.15$	± 10%				C2012X5R1C335K060AC				
	-		± 20%			C0040VED4E00EV00EAC	C2012X5R1C335M060A0				
3.3 µF	2012	$0.85 \pm 0.15$	± 10% ± 20%			C2012X5R1E335K085AC	C2012X5R1C335K085AE				
	-			C2010VED1U22EV12EAD	C2012VED1V22EV12EAC	C2012X5R1E335M085AC	C2012X5R1C335M085A				
		$1.25 \pm 0.20$	± 10% ± 20%	C2012X5R1H335K125AB C2012X5R1H335M125AB	C2012X5R1V335K125AC C2012X5R1V335M125AC	C2012X5R1E335K125AB C2012X5R1E335M125AB	C2012X5R1C335K125A( C2012X5R1C335M125A)				
						C3216X5R1E335K160AA	- C2012A3H1C333W1123A				
	3216	$1.60 \pm 0.20$	± 10% ± 20%	C3216X5R1H335K160AB C3216X5R1H335M160AB	C3216X5R1V335K160AB C3216X5R1V335M160AB	C3216X5R1E335M160AA					
				i e	C32 10A3H 1 V333IVI 10UAB	C32 10A3H 1E333W110UAA					
	3225	$2.50 \pm 0.30$	± 10% ± 20%	C3225X5R1H335K250AB C3225X5R1H335M250AB							
				C3229A9R 1F13331V125UAB		C1000VED1E47EV000AC	C1000VED1C47EK000A				
		$0.80 \pm 0.10$	± 10% ± 20%			C1608X5R1E475K080AC C1608X5R1E475M080AC	C1608X5R1C475K080A( C1608X5R1C475M080A)				
	1608 -		± 20% ± 10%		C1608X5R1V475K080AC	C 1000A3N 1E473W000AC	C 1000A3N 1C473W000A				
		$0.80 \pm 0.20$	± 10% ± 20%		C1608X5R1V475M080AC						
			± 20%		C 1000A3h 1 V473IVI080AC	,	C2012X5R1C475K060A				
		$0.60 \pm 0.15$	± 10%				C2012X5R1C475M060A				
	-		± 20% ± 10%			C2012X5R1E475K085AC	C2012X5R1C475K085Al				
	2012	$0.85 \pm 0.15$	± 10%			C2012X5R1E475M085AC	C2012X5R1C475M085A				
	-		± 20% ± 10%	C2012X5R1H475K125AB	C2012X5R1V475K125AC	C2012X5R1E475K125AB	C2012X5R1C475W005A				
		$1.25 \pm 0.20$	± 10%	C2012X5R1H475M125AB	C2012X5R1V475K125AC	C2012X5R1E475M125AB	C2012X5R1C475K125A				
4.7 µF			± 10%	C3216X5R1H475K085AB	C3216X5R1V475K085AB	C3216X5R1E475K085AB	02012A3H10473W123A				
		$0.85 \pm 0.10$	± 10%	C3216X5R1H475M085AB	C3216X5R1V475M085AB	C3216X5R1E475M085AB					
	-		± 10%	C32 10X3H 11 147 3101003AB	C32 10/3H 1 V47 3 W 1003 A B	C3216X5R1E475K115AB					
		$1.15 \pm 0.10$	± 20%			C3216X5R1E475M115AB					
	3216 -		± 10%			C32 T0A3H TL47 3WT T3AB	C3216X5R1C475K115A				
		$1.15 \pm 0.15$	± 10%				C3216X5R1C475M115A				
	1.6	_	-	-	-	1.00 0.00	± 10%	C3216X5R1H475K160AB	C3216X5R1V475K160AB	C3216X5R1E475K160AA	03210X31110473W1113A
			$1.60 \pm 0.20$	± 20%	C3216X5R1H475M160AB	C3216X5R1V475M160AB	C3216X5R1E475M160AA				
			± 10%	C3225X5R1H475K250AB	00210/0111717001100/12	0021070111217011100707					
	3225	$2.50 \pm 0.30$	± 20%	C3225X5R1H475M250AB							
			± 10%	00220/101111111111200/12		C1608X5R1E685K080AC	C1608X5R1C685K080A				
	1608	$0.80 \pm 0.20$	± 20%			C1608X5R1E685M080AC	C1608X5R1C685M080A				
			± 10%			0.000/10.11.2000/1000/10	C2012X5R1C685K085A				
		$0.85 \pm 0.15$	± 20%				C2012X5R1C685M085A				
	2012 -		± 10%		C2012X5R1V685K125AC	C2012X5R1E685K125AC	C2012X5R1C685K125A				
		$1.25 \pm 0.20$	± 20%		C2012X5R1V685M125AC	C2012X5R1E685M125AC	C2012X5R1C685M125A				
			± 10%	C3216X5R1H685K160AB	C3216X5R1V685K160AB	C3216X5R1E685K160AB	C3216X5R1C685K160A				
6.8 µF	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1H685M160AB	C3216X5R1V685M160AB	C3216X5R1E685M160AB	C3216X5R1C685M160A				
			± 10%		002.10/10/11/1000/11/100/12	00210/10/11/2000/11/00/12	C3225X5R1C685K200A				
		$2.00 \pm 0.20$	± 20%				C3225X5R1C685M200A				
	3225 -		± 10%	C3225X5R1H685K250AB		C3225X5R1E685K250AA					
		$2.50 \pm 0.30$	± 20%	C3225X5R1H685M250AB		C3225X5R1E685M250AA					
			± 10%	C4532X5R1H685K250KA			,				
	4532	$2.50 \pm 0.30$	± 20%	C4532X5R1H685M250KA							
	1608	0.80 ± 0.20	± 20%	0 1002/1011111000111200101		C1608X5R1E106M080AC	C1608X5R1C106M080A				
			± 10%		C2012X5R1V106K085AC	C2012X5R1E106K085AC	C2012X5R1C106K085A				
		$0.85 \pm 0.15$	± 20%		C2012X5R1V106M085AC	C2012X5R1E106M085AC	C2012X5R1C106M085A				
	2012 -		± 10%		C2012X5R1V106K125AC	C2012X5R1E106K125AB	C2012X5R1C106K125A				
10 uF		$1.25 \pm 0.20$	± 20%		C2012X5R1V106M125AC	C2012X5R1E106M125AB	C2012X5R1C106M125A				
10 μF			± 10%		220.23.0.1.710007120710	C3216X5R1E106K085AC	C3216X5R1C106K085A				
		$0.85 \pm 0.10$									
		0.00 ± 0.10	+ 20%			C32 IDX5B IE IUNIVIU85AL	(.32 INX5B II. IUNIVIUR54				
. ,	3216 -		± 20% ± 10%	C3216X5R1H106K160AB	C3216X5R1V106K160AB	C3216X5R1E106M085AC C3216X5R1E106K160AB	C3216X5R1C106M085A C3216X5R1C106K160A				



### Class 2 (Temperature Stable)

Temperature Characteristics: X5R (-55 to +85°C, ±15%)

Capacitance	Size	Thickness	Capacitance	TDK Part Number			
Сараспапсе	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		2.00 ± 0.20	± 10%				C3225X5R1C106K200AA
	3225 -	2.00 ± 0.20	± 20%				C3225X5R1C106M200AA
	3223 -	2.50 ± 0.30	± 10%	C3225X5R1H106K250AB		C3225X5R1E106K250AA	
10 μF ·		2.30 ± 0.30	± 20%	C3225X5R1H106M250AB		C3225X5R1E106M250AA	
το μι	4532	2.50 ± 0.30	± 10%			C4532X5R1E106K250KA	
	4002	2.30 ± 0.30	± 20%			C4532X5R1E106M250KA	
	5750	2.30 ± 0.20	± 10%	C5750X5R1H106K230KA			
	3730	2.30 ± 0.20	± 20%	C5750X5R1H106M230KA			
	2012	1.25 ± 0.20	± 20%		C2012X5R1V156M125AC	C2012X5R1E156M125AC	C2012X5R1C156M125AC
	3216	1.60 ± 0.20	± 20%		C3216X5R1V156M160AC	C3216X5R1E156M160AB	C3216X5R1C156M160AB
15 µF	3225	2.50 ± 0.30	± 20%				C3225X5R1C156M250AA
	4532 -	2.50 ± 0.30	± 20%			C4532X5R1E156M250KA	
	4002 -	$2.80 \pm 0.30$	± 20%			C4532X5R1E156M280KA	
		0.85 ± 0.15	± 20%				C2012X5R1C226M085AC
	2012 1.25 ± 0.20	± 10%				C2012X5R1C226K125AC	
		1.25 ± 0.20	± 20%		C2012X5R1V226M125AC	C2012X5R1E226M125AC	C2012X5R1C226M125AC
	3216	$1.60 \pm 0.20$	± 20%		C3216X5R1V226M160AC	C3216X5R1E226M160AB	C3216X5R1C226M160AB
	3225	2.50 ± 0.30	± 10%				C3225X5R1C226K250AA
22 µF	3223	2.30 ± 0.30	± 20%				C3225X5R1C226M250AA
		2.00 ± 0.20	± 20%				C4532X5R1C226M200KA
	4532	$2.30 \pm 0.20$	± 20%				C4532X5R1C226M230KA
	_	$2.50 \pm 0.30$	± 20%			C4532X5R1E226M250KA	
	5750 -	2.30 ± 0.20	± 20%			C5750X5R1E226M230KA	
	5750 -	$2.50 \pm 0.30$	± 20%			C5750X5R1E226M250KA	
	3216	1.60 ± 0.20	± 20%			C3216X5R1E336M160AC	C3216X5R1C336M160AB
33 µF	4532	2.50 ± 0.30	± 20%				C4532X5R1C336M250KA
•	5750	2.00 ± 0.20	± 20%				C5750X5R1C336M200KA
	3216	1.60 ± 0.20	± 20%			C3216X5R1E476M160AC	C3216X5R1C476M160AB
4/ µr	5750	2.30 ± 0.20	± 20%				C5750X5R1C476M230KA

### Class 2 (Temperature Stable)

Conneitones	Size	Thickness	Capacitance	TDK Part Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
1 nF	0402	0.20 ± 0.02	± 10%	C0402X5R1A102K020BC	C0402X5R0J102K020BC	C0402X5R0G102K020BC
I NE	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A102M020BC	C0402X5R0J102M020BC	C0402X5R0G102M020BC
455	0.400	0.00 0.00	± 10%	C0402X5R1A152K020BC	C0402X5R0J152K020BC	C0402X5R0G152K020BC
1.5 nF	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A152M020BC	C0402X5R0J152M020BC	C0402X5R0G152M020BC
0.0 E	0.400	0.00 0.00	± 10%	C0402X5R1A222K020BC	C0402X5R0J222K020BC	C0402X5R0G222K020BC
2.2 nF	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A222M020BC	C0402X5R0J222M020BC	C0402X5R0G222M020BC
22.5	0402	0.00 . 0.00	± 10%	C0402X5R1A332K020BC	C0402X5R0J332K020BC	C0402X5R0G332K020BC
3.3 nF	3.3111 0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A332M020BC	C0402X5R0J332M020BC	C0402X5R0G332M020BC
47		0.00 0.00	± 10%	C0402X5R1A472K020BC	C0402X5R0J472K020BC	C0402X5R0G472K020BC
4.7 nF	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A472M020BC	C0402X5R0J472M020BC	C0402X5R0G472M020BC
	0.400	2 0.20 ± 0.02	± 10%	C0402X5R1A682K020BC	C0402X5R0J682K020BC	C0402X5R0G682K020BC
0.0 5	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A682M020BC	C0402X5R0J682M020BC	C0402X5R0G682M020BC
6.8 nF	0000	0.30 ± 0.03	± 10%	C0603X5R1A682K030BA		
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A682M030BA		
	0.400	0.00 0.00	± 10%	C0402X5R1A103K020BC	C0402X5R0J103K020BC	C0402X5R0G103K020BC
40 5	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A103M020BC	C0402X5R0J103M020BC	C0402X5R0G103M020BC
10 nF	0000	0.00 0.00	± 10%	C0603X5R1A103K030BA		
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A103M030BA		
455	0000	0.00 0.00	± 10%	C0603X5R1A153K030BC	C0603X5R0J153K030BA	
15 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A153M030BC	C0603X5R0J153M030BA	
	0402	0.20 ± 0.02	± 20%		C0402X5R0J223M020BC	C0402X5R0G223M020BC
22 nF	0000	0.20 . 0.00	± 10%	C0603X5R1A223K030BC	C0603X5R0J223K030BC	
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A223M030BC	C0603X5R0J223M030BC	
22	0000	0.20 . 0.00	± 10%	C0603X5R1A333K030BC	C0603X5R0J333K030BC	
33 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A333M030BC	C0603X5R0J333M030BC	





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
	0402	0.20 ± 0.02	± 20%		C0402X5R0J473M020BC	C0402X5R0G473M020B0
			± 10%	C0603X5R1A473K030BC	C0603X5R0J473K030BC	
47 nF	0603	0.30 ± 0.03	± 20%	C0603X5R1A473M030BC	C0603X5R0J473M030BC	
			± 10%	C1005X5R1A473K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A473M050BA		
			± 10%	C0603X5R1A683K030BC	C0603X5R0J683K030BC	
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A683M030BC	C0603X5R0J683M030BC	
68 nF			± 10%	C1005X5R1A683K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A683M050BA		
	0402	0.20 ± 0.02	± 20%		C0402X5R0J104M020BC	C0402X5R0G104M020B0
			± 10%	C0603X5R1A104K030BC	C0603X5R0J104K030BC	
100 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A104M030BC	C0603X5R0J104M030BC	
			± 10%	C1005X5R1A104K050BA	C1005X5R0J104K050BA	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A104M050BA		
			± 10%	C0603X5R1A154K030BB	C0603X5R0J154K030BB	
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A154M030BB	C0603X5R0J154M030BB	
150 nF			± 10%	C1005X5R1A154K050BC	C1005X5R0J154K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A154M050BC	C1005X5R0J154M050BB	
			± 10%	C0603X5R1A224K030BB	C0603X5R0J224K030BB	
	0603	$0.30 \pm 0.03$	± 10%	C0603X5R1A224M030BB	C0603X5R0J224M030BB	
220 nF						
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A224K050BC	C1005X5R0J224K050BB	
			± 20%	C1005X5R1A224M050BC	C1005X5R0J224M050BB	
	0603	$0.30 \pm 0.03$	± 10%	C0603X5R1A334K030BC	000001/500 100 4140000	
330 nF			± 20%	C0603X5R1A334M030BC	C0603X5R0J334M030BC	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A334K050BB	C1005X5R0J334K050BB	
			± 20%	C1005X5R1A334M050BB	C1005X5R0J334M050BB	
	0603	$0.30 \pm 0.03$	± 10%		C0603X5R0J474K030BC	
			± 20%	C0603X5R1A474M030BC	C0603X5R0J474M030BC	
470 nF	1005	0.50 ± 0.05	± 10%	C1005X5R1A474K050BB	C1005X5R0J474K050BB	
			± 20%	C1005X5R1A474M050BB	C1005X5R0J474M050BB	
	1608	0.80 +0.15/-0.10	± 10%	C1608X5R1A474K080AA		
	1005	0.50 ± 0.05	± 10%	C1005X5R1A684K050BB	C1005X5R0J684K050BB	
680 nF			± 20%	C1005X5R1A684M050BB	C1005X5R0J684M050BB	
	1608	0.80 +0.15/-0.10	± 10%	C1608X5R1A684K080AC		
			± 20%	C1608X5R1A684M080AC		
	0603	0.30 ± 0.05	± 20%		C0603X5R0J105M030BC	C0603X5R0G105M030B
	1005	0.50 ± 0.05	± 10%	C1005X5R1A105K050BB	C1005X5R0J105K050BB	
1 μF			± 20%	C1005X5R1A105M050BB	C1005X5R0J105M050BB	
	1608	0.80 +0.15/-0.10	± 10%	C1608X5R1A105K080AC		
	1000		± 20%	C1608X5R1A105M080AC		
	1005	0.50 ± 0.05	± 10%	C1005X5R1A155K050BC	C1005X5R0J155K050BB	
1.5 µF	1000	0.00 ± 0.00	± 20%	C1005X5R1A155M050BC	C1005X5R0J155M050BB	
1.5 μι	1608	0.80 ± 0.10	± 10%	C1608X5R1A155K080AB	C1608X5R0J155K080AB	
	1000	U.UU ± U.1U	± 20%	C1608X5R1A155M080AB	C1608X5R0J155M080AB	
	1005	0.50 ± 0.05	± 10%	C1005X5R1A225K050BC	C1005X5R0J225K050BC	C1005X5R0G225K050B
	1005	0.50 ± 0.05	± 20%	C1005X5R1A225M050BC	C1005X5R0J225M050BC	C1005X5R0G225M050B
22.15	1600	0.80 ± 0.10	± 10%	C1608X5R1A225K080AC	C1608X5R0J225K080AB	
2.2 µF	1608	0.80 ± 0.10	± 20%	C1608X5R1A225M080AC	C1608X5R0J225M080AB	
	0010	0.05 0.15	± 10%	C2012X5R1A225K085AA	C2012X5R0J225K085AA	
	2012	0.85 ± 0.15	± 20%	C2012X5R1A225M085AA	C2012X5R0J225M085AA	
			± 10%	C1005X5R1A335K050BC	C1005X5R0J335K050BC	C1005X5R0G335K050B
	1005	0.50 ± 0.10	± 20%	C1005X5R1A335M050BC	C1005X5R0J335M050BC	C1005X5R0G335M050B
•			± 10%	C1608X5R1A335K080AC	C1608X5R0J335K080AB	
3.3 µF	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1A335M080AC	C1608X5R0J335M080AB	
			± 10%	C2012X5R1A335K125AA	2 .000/.to.100000//ID	
	2012	1.25 ± 0.20	± 10%	C2012X5R1A335M125AA		
			± 20% ± 10%	C1005X5R1A475K050BC	C1005X5R0J475K050BC	C1005X5R0G475K050B
	1005	0.50 +0.15/-0.10	± 10% ± 20%			
4.7 μF				C1609X5R1A475M050BC	C1005X5R0J475M050BC	C1005X5R0G475M050BI
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A475K080AC	C1608X5R0J475K080AB	
			± 20%	C1608X5R1A475M080AC	C1608X5R0J475M080AB	





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
		0.60 ± 0.15	± 10%	C2012X5R1A475K060AB		,
	_	0.00 ± 0.10	± 20%	C2012X5R1A475M060AB		
4.7 µF	2012	0.85 ± 0.15	± 10%	C2012X5R1A475K085AC	C2012X5R0J475K085AB	
			± 20%	C2012X5R1A475M085AC	C2012X5R0J475M085AB	
		1.25 ± 0.20	± 10%	C2012X5R1A475K125AA	C2012X5R0J475K125AA	
			± 20%	C2012X5R1A475M125AA	C2012X5R0J475M125AA	
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A685K080AC	C1608X5R0J685K080AB	
,			± 20%	C1608X5R1A685M080AC	C1608X5R0J685M080AB	
		$0.60 \pm 0.15$	± 10%	C2012X5R1A685K060AC		
6.8 µF	-		± 20%	C2012X5R1A685M060AC		
	2012	0.85 ± 0.15	± 10%	C2012X5R1A685K085AB	C2012X5R0J685K085AB	
	_		± 20%	C2012X5R1A685M085AB	C2012X5R0J685M085AB	
		1.25 ± 0.20	± 10%	C2012X5R1A685K125AB	C2012X5R0J685K125AB	
			± 20%	C2012X5R1A685M125AB	C2012X5R0J685M125AB	
	1005	$0.50 \pm 0.20$	± 20%		C1005X5R0J106M050BC	C1005X5R0G106M050BE
	1608	0.80 ± 0.10	± 10%	C1608X5R1A106K080AC	C1608X5R0J106K080AB	
			± 20%	C1608X5R1A106M080AC	C1608X5R0J106M080AB	
		0.85 ± 0.15	± 10%	C2012X5R1A106K085AB	C2012X5R0J106K085AB	
10 μF	2012 -	0.00 = 0.10	± 20%	C2012X5R1A106M085AB	C2012X5R0J106M085AB	
	2012	1.25 ± 0.20	± 10%	C2012X5R1A106K125AB	C2012X5R0J106K125AB	
		1.20 ± 0.20	± 20%	C2012X5R1A106M125AB	C2012X5R0J106M125AB	
	3216	1.60 ± 0.20	± 10%	C3216X5R1A106K160AB		
	3210	1.00 ± 0.20	± 20%	C3216X5R1A106M160AB		
	1608	0.80 ± 0.20	± 20%	C1608X5R1A156M080AC	C1608X5R0J156M080AC	C1608X5R0G156M080AA
	0040	0.85 ± 0.15	± 20%	C2012X5R1A156M085AC	C2012X5R0J156M085AB	
15 µF	2012 -	1.25 ± 0.20	± 20%	C2012X5R1A156M125AB	C2012X5R0J156M125AC	
	3216	1.60 ± 0.20	± 20%	C3216X5R1A156M160AB		
,	3225	2.30 ± 0.20	± 20%	C3225X5R1A156M230AA		
	1608	0.80 ± 0.20	± 20%	C1608X5R1A226M080AC	C1608X5R0J226M080AC	C1608X5R0G226M080AA
•		0.85 ± 0.15	± 20%	C2012X5R1A226M085AC	C2012X5R0J226M085AB	
	2012		± 10%	C2012X5R1A226K125AB	C2012X5R0J226K125AB	
	2012	1.25 ± 0.20	± 20%	C2012X5R1A226M125AB	C2012X5R0J226M125AC	
		0.85 ± 0.15	± 20%		C3216X5R0J226M085AC	
22 µF	3216 -	1.60 ± 0.20	± 20%	C3216X5R1A226M160AC	C3216X5R0J226M160AA	
•			± 10%		C3225X5R0J226K200AA	
	3225	$2.00 \pm 0.20$	± 20%		C3225X5R0J226M200AA	
	-	2.30 ± 0.20	± 20%	C3225X5R1A226M230AA		
	4532	2.30 ± 0.20	± 20%	C4532X5R1A226M230KA		
	2012	1.25 ± 0.20	± 20%	C2012X5R1A336M125AC	C2012X5R0J336M125AC	
	2012	1.30 ± 0.10	± 20%	02012/(011)/(000)/(120/(0	C3216X5R0J336M130AC	
	3216 -	1.60 ± 0.10	± 20%	C3216X5R1A336M160AB	00210701100000111100710	
33 µF		2.00 ± 0.20	± 20%	C3225X5R1A336M200AC	C3225X5R0J336M200AA	
	3225 -	2.50 ± 0.30	± 20%	OOZZONOTTI NOOONIZOONO	C3225X5R0J336M250AA	
	4532	2.30 ± 0.30	± 20%	C4532X5R1A336M230KA	C3223A3H00330IVI230AA	
					C2012YED0 1476M12EAC	C2012X5R0G476M125AE
	2012	1.25 ± 0.20	± 20%	C2012X5R1A476M125AC	C2012X5R0J476M125AC	UZU1ZX3HUG476W1Z3AE
47 -	3216	1.60 ± 0.20	± 20%	C3216X5R1A476M160AB	C3216X5R0J476M160AC	
47 µF	3225	2.50 ± 0.30	± 20%	C3225X5R1A476M250AC	C3225X5R0J476M250AA	
	4532 -	2.50 ± 0.30	± 20%	O 4500V5D4 4 4701 4000***	C4532X5R0J476M250KA	
		2.80 ± 0.30	± 20%	C4532X5R1A476M280KA	00040//500 100011100 10	
	3216	1.60 ± 0.20	± 20%	C3216X5R1A686M160AC	C3216X5R0J686M160AB	
68 µF	3225	2.00 ± 0.20	± 20%		C3225X5R0J686M200AC	-
Ia.	4532	2.80 ± 0.30	± 20%		C4532X5R0J686M280KA	
	5750	2.30 ± 0.20	± 20%	C5750X5R1A686M230KA		
	3216	1.60 ± 0.20	± 20%	C3216X5R1A107M160AC	C3216X5R0J107M160AB	C3216X5R0G107M160AE
100 µF	3225	$2.50 \pm 0.30$	± 20%		C3225X5R0J107M250AC	
του μι	4532	$2.80 \pm 0.30$	± 20%	C4532X5R1A107M280KC	C4532X5R0J107M280KA	
	5750	2.80 ± 0.30	± 20%	C5750X5R1A107M280KC	C5750X5R0J107M280KA	







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
2.2 nF	0603	0.30 ± 0.03	± 10%			C0603X6S1E222K030BA	C0603X6S1C222K030B
2.2111	0003	0.30 ± 0.03	± 20%			C0603X6S1E222M030BA	C0603X6S1C222M030E
4.7 nF	0603	$0.30 \pm 0.03$	± 10%				C0603X6S1C472K030B
		0.00 ± 0.00	± 20%				C0603X6S1C472M030E
10 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1H103K050BB			
			± 20%	C1005X6S1H103M050BB			
15 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1H153K050BB			
			± 20%	C1005X6S1H153M050BB			000001/00100001/0005
	0603	$0.30 \pm 0.03$	± 10%				C0603X6S1C223K030E
22 nF			± 20%	C100EVCC1LIQQQVQEQDD			C0603X6S1C223M030E
	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005X6S1H223K050BB C1005X6S1H223M050BB			
			± 20% ± 10%	C1005X6S1H223W050BB			
33 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H333M050BB			
			± 10%	0 1000/00 11 1000M1000BB			C0603X6S1C473K030E
	0603	$0.30 \pm 0.03$	± 20%				C0603X6S1C473M030E
47 nF			± 10%	C1005X6S1H473K050BB			
	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H473M050BB			
			± 10%	C1005X6S1H683K050BB	C1005X6S1V683K050BB	C1005X6S1E683K050BC	
68 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H683M050BB	C1005X6S1V683M050BB	C1005X6S1E683M050BC	
			± 10%	C1005X6S1H104K050BB	C1005X6S1V104K050BB	C1005X6S1E104K050BB	
100 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H104M050BB	C1005X6S1V104M050BB	C1005X6S1E104M050BB	
			± 10%			C1005X6S1E154K050BC	C1005X6S1C154K050E
	1005	$0.50 \pm 0.05$	± 20%			C1005X6S1E154M050BC	C1005X6S1C154M050E
150 nF			± 10%	C1608X6S1H154K080AB	C1608X6S1V154K080AB		
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H154M080AB	C1608X6S1V154M080AB	-	
	1005	0.50 0.05	± 10%			C1005X6S1E224K050BC	C1005X6S1C224K050E
000 5	1005	$0.50 \pm 0.05$	± 20%			C1005X6S1E224M050BC	C1005X6S1C224M050E
220 nF	1000	0.00 0.10	± 10%	C1608X6S1H224K080AB	C1608X6S1V224K080AB		
1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H224M080AB	C1608X6S1V224M080AB			
	1005	0.50 . 0.05	± 10%				C1005X6S1C334K050E
330 nF ·	1005	0.50 ± 0.05	± 20%				C1005X6S1C334M050E
330 111	1608	0.80 ± 0.10	± 10%	C1608X6S1H334K080AB	C1608X6S1V334K080AB	C1608X6S1E334K080AB	
	1000	0.00 ± 0.10	± 20%	C1608X6S1H334M080AB	C1608X6S1V334M080AB	C1608X6S1E334M080AB	
	1005	0.50 ± 0.05	± 10%				C1005X6S1C474K050E
	1000	0.00 ± 0.00	± 20%				C1005X6S1C474M050E
470 nF	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1H474K080AB	C1608X6S1V474K080AB	C1608X6S1E474K080AB	
	1000	0.00 ± 0.10	± 20%	C1608X6S1H474M080AB	C1608X6S1V474M080AB	C1608X6S1E474M080AB	
	2012	1.25 ± 0.20	± 10%	C2012X6S1H474K125AB			
			± 20%	C2012X6S1H474M125AB			
	1005	$0.50 \pm 0.05$	± 10%				C1005X6S1C684K050E
			± 20%			0.10001/001/5001/0001/5	C1005X6S1C684M050E
680 nF	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1H684K080AC	C1608X6S1V684K080AB	C1608X6S1E684K080AB	C1608X6S1C684K080A
			± 20%	C1608X6S1H684M080AC	C1608X6S1V684M080AB	C1608X6S1E684M080AB	C1608X6S1C684M080A
	2012	1.25 ± 0.20	± 10%	C2012X6S1H684K125AB			
			± 20%	C2012X6S1H684M125AB			040057004040570505
	1005	$0.50 \pm 0.05$	± 10%				C1005X6S1C105K050E
			± 20% ± 10%	C1608X6S1H105K080AC	C1608X6S1V105K080AB	C1608X6S1E105K080AB	C1005X6S1C105M050E C1608X6S1C105K080A
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H105M080AC	C1608X6S1V105M080AB	C1608X6S1E105M080AB	C1608X6S1C105M080A
1 μF ·			± 10%	C2012X6S1H105K085AB	C2012X6S1V105K085AB	C2012X6S1E105K085AB	C 1000X03 TC 103101000F
		$0.85 \pm 0.15$	± 10%	C2012X6S1H105M085AB	C2012X6S1V105M085AB	C2012X6S1E105M085AB	
	2012		± 10%	C2012X6S1H105K125AB	02012X001V100W000XB	OZOTZXOOTE TOOMIOOXXB	
		1.25 ± 0.20	± 20%	C2012X6S1H105M125AB			
			± 10%	0201230011110011120710			C1005X6S1C155K050E
	1005	0.50 +0.15/-0.10	± 10%				C1005X6S1C155M050E
			± 10%				C1608X6S1C155K080A
	1608	$0.80 \pm 0.10$	± 10%				C1608X6S1C155M080A
1.5 µF			± 10%	C2012X6S1H155K125AB	C2012X6S1V155K125AB	C2012X6S1E155K125AB	2 1000/100 10 100141000/
	2012	$1.25 \pm 0.20$	± 20%	C2012X6S1H155M125AB	C2012X6S1V155M125AB	C2012X6S1E155M125AB	
			± 10%	C3216X6S1H155K160AB	C3216X6S1V155K160AB	320.2.0012100W120/ID	
	3216	$1.60 \pm 0.20$	± 20%	C3216X6S1H155M160AB	C3216X6S1V155M160AB		
				COL TOMOG IT FIGURE FOUND	COL TOXOCT V TOOMTTOOMD		
2.2 µF	1005	0.50 +0.10/-0.15	± 10%				C1005X6S1C225K050E





Temperature Characteristics: X6S (-55 to +105°C, ±22%)

Canacitanas	Cizo	Thickness	Capacitance	TDK Part Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	1608	0.80 ± 0.10	± 10%				C1608X6S1C225K080AC
	1000	0.00 ± 0.10	± 20%				C1608X6S1C225M080AC
		0.85 ± 0.15	± 10%	C2012X6S1H225K085AC	C2012X6S1V225K085AB	C2012X6S1E225K085AB	C2012X6S1C225K085AB
2.2 µF	2012 -	0.05 ± 0.15	± 20%	C2012X6S1H225M085AC	C2012X6S1V225M085AB	C2012X6S1E225M085AB	C2012X6S1C225M085AB
2.2 μΓ	2012 -	1.25 ± 0.20	± 10%	C2012X6S1H225K125AB	C2012X6S1V225K125AB	C2012X6S1E225K125AC	
		1.25 ± 0.20	± 20%	C2012X6S1H225M125AB	C2012X6S1V225M125AB	C2012X6S1E225M125AC	
	3216	1.60 ± 0.20	± 10%	C3216X6S1H225K160AB	C3216X6S1V225K160AB		
	3210	1.60 ± 0.20	± 20%	C3216X6S1H225M160AB	C3216X6S1V225M160AB		
	1600	0.80 ± 0.20	± 10%				C1608X6S1C335K080AC
	1608	0.00 ± 0.20	± 20%				C1608X6S1C335M080AC
22	2010	1.05 . 0.00	± 10%	C2012X6S1H335K125AC	C2012X6S1V335K125AB	C2012X6S1E335K125AC	C2012X6S1C335K125AC
3.3 µF	2012	$1.25 \pm 0.20$	± 20%	C2012X6S1H335M125AC	C2012X6S1V335M125AB	C2012X6S1E335M125AC	C2012X6S1C335M125AC
•	0040	1.00 0.00	± 10%	C3216X6S1H335K160AB	C3216X6S1V335K160AB		
	3216	$1.60 \pm 0.20$	± 20%	C3216X6S1H335M160AB	C3216X6S1V335M160AB		
	1000	0.00	± 10%				C1608X6S1C475K080AC
	1608	$0.80 \pm 0.20$	± 20%				C1608X6S1C475M080AC
			± 10%				C2012X6S1C475K085AC
		$0.85 \pm 0.15$	± 20%				C2012X6S1C475M085AC
	2012 -	1.25 ± 0.20	± 10%	C2012X6S1H475K125AC	C2012X6S1V475K125AB	C2012X6S1E475K125AC	C2012X6S1C475K125AC
			± 20%	C2012X6S1H475M125AC	C2012X6S1V475M125AB	C2012X6S1E475M125AC	C2012X6S1C475M125AC
4.7 μF			± 10%		C3216X6S1V475K085AC	C3216X6S1E475K085AB	
		0.85 ± 0.10	± 20%		C3216X6S1V475M085AC	C3216X6S1E475M085AB	
	3216 -		± 10%	C3216X6S1H475K160AB	C3216X6S1V475K160AB	C3216X6S1E475K160AB	
		$1.60 \pm 0.20$	± 20%	C3216X6S1H475M160AB	C3216X6S1V475M160AB	C3216X6S1E475M160AB	
-			± 10%	C3225X6S1H475K250AB			
	3225	$2.50 \pm 0.30$	± 20%	C3225X6S1H475M250AB			
			± 10%				C2012X6S1C685K125AC
	2012	$1.25 \pm 0.20$	± 20%				C2012X6S1C685M125AC
			± 10%		C3216X6S1V685K160AC	C3216X6S1E685K160AB	C3216X6S1C685K160AC
6.8 µF	3216	$1.60 \pm 0.20$	± 20%		C3216X6S1V685M160AC	C3216X6S1E685M160AB	C3216X6S1C685M160AC
			± 10%	C3225X6S1H685K250AC	C3225X6S1V685K250AC	C3225X6S1E685K250AB	00210/1001000111100/10
	3225	$2.50 \pm 0.30$	± 20%	C3225X6S1H685M250AC	C3225X6S1V685M250AC	C3225X6S1E685M250AB	
			± 10%	002207.0011.00011.2007.0	002207007700071200710	002207.0012001112007.12	C2012X6S1C106K085AC
		$0.85 \pm 0.15$	± 20%				C2012X6S1C106M085AC
	2012 -		± 10%				C2012X6S1C106K125AC
		$1.25 \pm 0.20$	± 20%				C2012X6S1C106M125AC
			± 10%				C3216X6S1C106K085AC
10 μF		$0.85 \pm 0.10$	± 10%				C3216X6S1C106M085AC
	3216 -		± 10%		C3216X6S1V106K160AC	C3216X6S1E106K160AB	C3216X6S1C106K160AB
		$1.60 \pm 0.20$	± 10% ± 20%		C3216X6S1V106M160AC	C3216X6S1E106M160AB	C3216X6S1C106M160AB
				C222EVCC41140CV2E0AC			C3216X631C106W1160AB
	3225	$2.50 \pm 0.30$	± 10%	C3225X6S1H106K250AC	C3225X6S1V106K250AC	C3225X6S1E106K250AC C3225X6S1E106M250AC	
	0010	1.05 . 0.00	± 20%	C3225X6S1H106M250AC	C3225X6S1V106M250AC	USZZONOS IE IUDIVIZOUAU	00010V00101E0M10540
15 μF	2012	1.25 ± 0.20	± 20%				C2012X6S1C156M125AC
	3216	1.60 ± 0.20	± 20%				C3216X6S1C156M160AC
00 ··F	2012	1.25 ± 0.20	± 20%				C2012X6S1C226M125AC
22 μF	3216	1.60 ± 0.20	± 20%				C3216X6S1C226M160AC
	3225	2.50 ± 0.30	± 20%				C3225X6S1C226M250AC

#### Class 2 (Temperature Stable)

Temperature Characteristics: X6S (-55 to +105°C,  $\pm 22\%$ )

Canacitanas	Capacitance Size		Capacitance	TDK Part Number		
Сараспансе	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
100 pF	100 pF 0402	0.20 + 0.02	± 10%	C0402X6S1A101K020BC	C0402X6S0J101K020BC	C0402X6S0G101K020BC
100 pr		0.20 ± 0.02	± 20%	C0402X6S1A101M020BC	C0402X6S0J101M020BC	C0402X6S0G101M020BC
150 pF	50 pF 0402 0.	0.20 + 0.02	± 10%	C0402X6S1A151K020BC	C0402X6S0J151K020BC	C0402X6S0G151K020BC
150 pr	0402	0.20 ± 0.02	± 20%	C0402X6S1A151M020BC	C0402X6S0J151M020BC	C0402X6S0G151M020BC
220 pF	0402	0.20 + 0.02	± 10%	C0402X6S1A221K020BC	C0402X6S0J221K020BC	C0402X6S0G221K020BC
220 pF	0402	0.20 ± 0.02	± 20%	C0402X6S1A221M020BC	C0402X6S0J221M020BC	C0402X6S0G221M020BC
220 pF		0.20 + 0.02	± 10%	C0402X6S1A331K020BC	C0402X6S0J331K020BC	C0402X6S0G331K020BC
330 pF	0402	0.20 ± 0.02	± 20%	C0402X6S1A331M020BC	C0402X6S0J331M020BC	C0402X6S0G331M020BC





Capacitance	Size	Thickness	Capacitance	TDK Part Number		
		(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
470 pF	0402	0.20 ± 0.02	± 10%	C0402X6S1A471K020BC	C0402X6S0J471K020BC	C0402X6S0G471K020B0
			± 20%	C0402X6S1A471M020BC	C0402X6S0J471M020BC	C0402X6S0G471M020B0
680 pF	0402	0.20 ± 0.02	± 10%	C0402X6S1A681K020BC	C0402X6S0J681K020BC	C0402X6S0G681K020B0
	0 102	0.20 1 0.02	± 20%	C0402X6S1A681M020BC	C0402X6S0J681M020BC	C0402X6S0G681M020B0
2.2 nF	0603	0.30 ± 0.03	± 10%	C0603X6S1A222K030BA	C0603X6S0J222K030BA	
2.2111	0000	0.00 ± 0.00	± 20%	C0603X6S1A222M030BA	C0603X6S0J222M030BA	
4.7 nF	0603	0.30 ± 0.03	± 10%	C0603X6S1A472K030BA	C0603X6S0J472K030BA	
4.7 111	0000	0.30 ± 0.03	± 20%	C0603X6S1A472M030BA	C0603X6S0J472M030BA	
10 nF	0603	0.30 ± 0.03	± 10%	C0603X6S1A103K030BA	C0603X6S0J103K030BA	
10 111	0003	0.30 ± 0.03	± 20%	C0603X6S1A103M030BA	C0603X6S0J103M030BA	
00 mF	0000	0.20 . 0.02	± 10%	C0603X6S1A223K030BB		C0603X6S0G223K030B0
22 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X6S1A223M030BB		C0603X6S0G223M030B
47 E	0000	0.00 0.00	± 10%	C0603X6S1A473K030BB		C0603X6S0G473K030B0
47 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X6S1A473M030BB		C0603X6S0G473M030B
=			± 10%			C0603X6S0G683K030B0
68 nF	0603	$0.30 \pm 0.03$	± 20%			C0603X6S0G683M030B0
			± 10%		C0603X6S0J104K030BC	C0603X6S0G104K030B0
	0603	$0.30 \pm 0.03$	± 20%		C0603X6S0J104M030BC	C0603X6S0G104M030B0
100 nF -			± 10%		C1005X6S0J104K050BA	C1005X6S0G104K050BA
	1005	$0.50 \pm 0.05$	± 20%		C1005X6S0J104M050BA	C1005X6S0G104M050B
			± 10%	C0603X6S1A154K030BC	C0603X6S0J154K030BC	C0603X6S0G154K030BI
	0603	$0.30 \pm 0.03$	± 20%	C0603X6S1A154M030BC	C0603X6S0J154M030BC	C0603X6S0G154M030B
150 nF -			± 10%	COCCONCE IN THE INICOLDE	C1005X6S0J154K050BC	C1005X6S0G154K050BI
	1005	$0.50 \pm 0.05$	± 10%		C1005X6S0J154M050BC	C1005X6S0G154M050B
			± 10%	C0603X6S1A224K030BC	C0603X6S0J224K030BC	C0603X6S0G224K030BI
	0603	$0.30 \pm 0.03$	± 10%	C0603X6S1A224N030BC	C0603X6S0J224M030BC	C0603X6S0G224N030B
220 nF			± 20%	C0003X03 1A224W030BC	C1005X6S0J224K050BC	C1005X6S0G224K050Bl
100	1005	$0.50 \pm 0.05$	± 10%		C1005X6S0J224N050BC	C1005X6S0G224N050B
					C1003A0303224W030BC	
	0603	$0.30 \pm 0.03$	± 10%			C0603X6S0G334K030B0
330 nF -			± 20%	010051/00110011/05050	0.1005,/000,100,1/05050	C0603X6S0G334M030B
	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1A334K050BC	C1005X6S0J334K050BC	C1005X6S0G334K050Bl
			± 20%	C1005X6S1A334M050BC	C1005X6S0J334M050BC	C1005X6S0G334M050B
470 -	0603	0.30 ± 0.03	± 20%	010051/0014 17 11/05050	0.1005,/000,142,1/05000	C0603X6S0G474M030B
470 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1A474K050BC	C1005X6S0J474K050BC	C1005X6S0G474K050BI
			± 20%	C1005X6S1A474M050BC	C1005X6S0J474M050BC	C1005X6S0G474M050B
680 nF	1005	0.50 ± 0.05	± 10%	C1005X6S1A684K050BC	C1005X6S0J684K050BC	C1005X6S0G684K050BI
			± 20%	C1005X6S1A684M050BC	C1005X6S0J684M050BC	C1005X6S0G684M050B
	1005	0.50 ± 0.05	± 10%	C1005X6S1A105K050BC	C1005X6S0J105K050BC	C1005X6S0G105K050BI
1μF -			± 20%	C1005X6S1A105M050BC	C1005X6S0J105M050BC	C1005X6S0G105M050B
ιμι	1608	0.80 +0.15/-0.10	± 10%	C1608X6S1A105K080AC	C1608X6S0J105K080AC	
	1000	0.00 10.10/ 0.10	± 20%	C1608X6S1A105M080AC	C1608X6S0J105M080AC	
		0.50 ± 0.05	± 10%		C1005X6S0J155K050BC	C1005X6S0G155K050B0
	1005	0.50 ± 0.05	± 20%		C1005X6S0J155M050BC	C1005X6S0G155M050B
	1005	0.50 . 0.10	± 10%	C1005X6S1A155K050BC		
1.5 µF		0.50 ± 0.10	± 20%	C1005X6S1A155M050BC		
		0.00 0.10	± 10%	C1608X6S1A155K080AB		
	1608	0.80 ± 0.10	± 20%	C1608X6S1A155M080AB	C1608X6S0J155M080AB	
		0.80 ± 0.20	± 10%		C1608X6S0J155K080AB	
			± 10%	C1005X6S1A225K050BC	C1005X6S0J225K050BC	C1005X6S0G225K050B0
	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1A225M050BC	C1005X6S0J225M050BC	C1005X6S0G225M050B
2.2 µF -			± 10%	C1608X6S1A225K080AB	C1608X6S0J225K080AB	
	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1A225M080AB	C1608X6S0J225M080AB	
			± 20% ± 10%	O TOUGNOU TAZZUNIUOUAD	O TOUONOUUZZUNIUOUAD	C1005X6S0G335K050B
	1005	$0.50 \pm 0.10$				
3.3 µF -			± 20%	C1600V661A22EV000A0	C1600V660 133EV000AB	C1005X6S0G335M050B
	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1A335K080AC	C1608X6S0J335K080AB	
	1005	0.50 0.15/0.15	± 20%	C1608X6S1A335M080AC	C1608X6S0J335M080AB	040051/0000 475140500
-	1005	0.50 +0.15/-0.10	± 20%	04000/0047 (==:/000 : =	0.1000\/000 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C1005X6S0G475M050B
	1608	0.80 ± 0.10	± 10%	C1608X6S1A475K080AC	C1608X6S0J475K080AB	
			± 20%	C1608X6S1A475M080AC	C1608X6S0J475M080AB	
4.7 µF		0.85 ± 0.15	± 10%	C2012X6S1A475K085AB		
·			± 20%	C2012X6S1A475M085AB		
	2012					
	2012	1.25 ± 0.20	± 10%		C2012X6S0J475K125AB	





Temperature Characteristics: X6S (-55 to +105°C, ±22%)

0	0:	Thickness	Capacitance	TDK Part Number						
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V				
		0.80 ± 0.10	± 10%			C1608X6S0G685K080AC				
	1608	0.80 ± 0.10	± 20%			C1608X6S0G685M080A0				
	1608	0.80 ± 0.20	± 10%	C1608X6S1A685K080AC	C1608X6S0J685K080AB					
		0.80 ± 0.20	± 20%	C1608X6S1A685M080AC	C1608X6S0J685M080AB					
6.8 µF		0.85 ± 0.15	± 10%	C2012X6S1A685K085AC	C2012X6S0J685K085AB					
0.8 μΓ	0010		± 20%	C2012X6S1A685M085AC	C2012X6S0J685M085AB					
	2012		± 10%	C2012X6S1A685K125AB						
		$1.25 \pm 0.20$	± 20%	C2012X6S1A685M125AB						
	0040	0.05 0.40	± 10%	C3216X6S1A685K085AB						
	3216	$0.85 \pm 0.10$	± 20%	C3216X6S1A685M085AB						
		0.00 0.10	± 10%			C1608X6S0G106K080AE				
	1608	$0.80 \pm 0.10$	± 20%			C1608X6S0G106M080A0				
		0.80 ± 0.20	± 20%	C1608X6S1A106M080AC	C1608X6S0J106M080AC					
		0.05 0.15	± 10%	C2012X6S1A106K085AC	C2012X6S0J106K085AC					
	0010	$0.85 \pm 0.15$	± 20%	C2012X6S1A106M085AC	C2012X6S0J106M085AC					
10 µF	2012	1.05 0.00	± 10%	C2012X6S1A106K125AB	C2012X6S0J106K125AB	C2012X6S0G106K125A				
		$1.25 \pm 0.20$	± 20%	C2012X6S1A106M125AB	C2012X6S0J106M125AB	C2012X6S0G106M125A				
		0.05 0.40	± 10%	C3216X6S1A106K085AB						
	3216	$0.85 \pm 0.10$	± 20%	C3216X6S1A106M085AB						
		3216	3216	3216	3216	3216	1.00 0.00	± 10%		C3216X6S0J106K160AC
		$1.60 \pm 0.20$	± 20%		C3216X6S0J106M160AC					
	0010	0.85 ± 0.15	± 20%			C2012X6S0G156M085A0				
15 µF	2012	1.25 ± 0.20	± 20%	C2012X6S1A156M125AC	C2012X6S0J156M125AB					
	3216	1.60 ± 0.20	± 20%	C3216X6S1A156M160AB	C3216X6S0J156M160AB					
	0010	0.85 ± 0.15	± 20%		C2012X6S0J226M085AC	C2012X6S0G226M085A0				
22 µF	2012	1.25 ± 0.20	± 20%	C2012X6S1A226M125AC	C2012X6S0J226M125AB	C2012X6S0G226M125A0				
	3216	1.60 ± 0.20	± 20%	C3216X6S1A226M160AB	C3216X6S0J226M160AB					
00	2012	1.25 ± 0.20	± 20%			C2012X6S0G336M125A0				
33 µF	3216	1.60 ± 0.20	± 20%	C3216X6S1A336M160AC	C3216X6S0J336M160AB					
	2012	1.25 ± 0.20	± 20%			C2012X6S0G476M125A				
47 µF	3216	1.60 ± 0.20	± 20%	C3216X6S1A476M160AC	C3216X6S0J476M160AB	C3216X6S0G476M160A				
	3225	$2.50 \pm 0.30$	± 20%		C3225X6S0J476M250AC					
68 µF	3216	1.60 ± 0.20	± 20%			C3216X6S0G686M160A				
	3216	1.60 +0.30/-0.10	± 20%			C3216X6S0G107M160A				
100 μF	3225	2.50 ± 0.30	± 20%		C3225X6S0J107M250AC	C3225X6S0G107M250A				
	4532	2.80 ± 0.30	± 20%		C4532X6S0J107M280KC					

#### Class 2 (Temperature Stable)

Conneitance	Cina	Thickness	Capacitance	TDK Part Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
100 pF	0603	0.30 ± 0.03	± 10%			C0603X7R1E101K030BA	
100 pr	0003	0.30 ± 0.03	± 20%			C0603X7R1E101M030BA	
150 pF	0603	0.30 ± 0.03	± 10%			C0603X7R1E151K030BA	
150 pr	0003	0.30 ± 0.03	± 20%			C0603X7R1E151M030BA	
	220 pF 0603 0.30 ± 0.03 1005 0.50 ± 0.05	0.20 . 0.02	± 10%			C0603X7R1E221K030BA	
220 pE		± 20%			C0603X7R1E221M030BA		
220 pr ·		$0.50 \pm 0.05$	± 10%	C1005X7R1H221K050BA			
			± 20%	C1005X7R1H221M050BA			
	0603	0.30 ± 0.03	± 10%			C0603X7R1E331K030BA	
330 pF ·	0003	0.30 ± 0.03	± 20%			C0603X7R1E331M030BA	
330 bt .	1005	0.50 ± 0.05	± 10%	C1005X7R1H331K050BA			
	1003	0.50 ± 0.05	± 20%	C1005X7R1H331M050BA			
	0603	0.30 ± 0.03	± 10%			C0603X7R1E471K030BA	
470 pF ·	0003	0.30 ± 0.03	± 20%			C0603X7R1E471M030BA	
470 pr	1005	0.50 . 0.05	± 10%	C1005X7R1H471K050BA			
		$0.50 \pm 0.05$	± 20%	C1005X7R1H471M050BA		-	
680 pF	0603	0.30 ± 0.03	± 10%			C0603X7R1E681K030BA	
000 pr	0003	0.30 ± 0.03	± 20%			C0603X7R1E681M030BA	





### Class 2 (Temperature Stable)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number	Dated Voltage Edg. 2517	Dotod Voltoge Edg. 2517	Dated Voltage Edg. 401
		(111111)	± 10%	Rated Voltage Edc: 50V C1005X7R1H681K050BA	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
680 pF	1005	$0.50 \pm 0.05$					
			± 20%	C1005X7R1H681M050BA		C0C02V7D4E400V020D4	
	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E102K030BA C0603X7R1E102M030BA	
1 nF ·			± 20%	0.1005//70411400//0500.4			
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H102K050BA		C1005X7R1E102K050BA	
			± 20%	C1005X7R1H102M050BA			
	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E152K030BA	
1.5 nF			± 20%			C0603X7R1E152M030BA	
1.0111	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H152K050BA			
	1000	0.00 ± 0.00	± 20%	C1005X7R1H152M050BA			
	0603	0.30 ± 0.03	± 10%			C0603X7R1E222K030BA	C0603X7R1C222K030B
0.0	0003	0.30 ± 0.03	± 20%			C0603X7R1E222M030BA	C0603X7R1C222M030E
2.2 nF	1005	0.50 0.05	± 10%	C1005X7R1H222K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H222M050BA			
			± 10%			C0603X7R1E332K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X7R1E332M030BA	
3.3 nF		± 10%	C1005X7R1H332K050BA				
	1005 $0.50 \pm 0.05$	± 20%	C1005X7R1H332M050BA				
			± 10%	C1003X/1111133210030BA			C0603X7R1C472K030E
	0603	$0.30 \pm 0.03$					
4.7 nF			± 20%	04005770411470705004			C0603X7R1C472M030E
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H472K050BA			
			± 20%	C1005X7R1H472M050BA			
6.8 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H682K050BA			
		0.00 _ 0.00	± 20%	C1005X7R1H682M050BA			
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H103K050BB	C1005X7R1V103K050BB	C1005X7R1E103K050BB	C1005X7R1C103K050E
10 nF	1005	0.50 ± 0.05	± 20%	C1005X7R1H103M050BB	C1005X7R1V103M050BB	C1005X7R1E103M050BB	
10 111	1000	0.00 - 0.10	± 10%	C1608X7R1H103K080AA		C1608X7R1E103K080AA	
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H103M080AA			
			± 10%	C1005X7R1H153K050BB	C1005X7R1V153K050BB		
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H153M050BB	C1005X7R1V153M050BB		
15 nF			± 10%	C1608X7R1H153K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H153M080AA			
			± 10%	C1005X7R1H223K050BB	C1005X7R1V223K050BB	C1005X7R1E223K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H223M050BB	C1005X7R1V223M050BB	C1005X7R1E223M050BB	
22 nF			± 10%	C1608X7R1H223K080AA	0.1000/11/11/2201/100025	O TOCOM TITLE ZOMOCOBB	
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H223M080AA			
					C100EVZD1V222K0E0DD		
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H333K050BB	C1005X7R1V333K050BB		
33 nF ·			± 20%	C1005X7R1H333M050BB	C1005X7R1V333M050BB		
	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H333K080AA			
			± 20%	C1608X7R1H333M080AA			
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H473K050BB	C1005X7R1V473K050BB	C1005X7R1E473K050BC	C1005X7R1C473K050E
47 nF	1000	0.00 ± 0.00	± 20%	C1005X7R1H473M050BB	C1005X7R1V473M050BB	C1005X7R1E473M050BC	C1005X7R1C473M050E
47 111	1608	0.80 ± 0.10	± 10%	C1608X7R1H473K080AA			
	1000	0.00 ± 0.10	± 20%	C1608X7R1H473M080AA			
	1005	0.50 0.05	± 10%	C1005X7R1H683K050BB	C1005X7R1V683K050BB	C1005X7R1E683K050BB	C1005X7R1C683K050E
00 5	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H683M050BB	C1005X7R1V683M050BB	C1005X7R1E683M050BB	C1005X7R1C683M050E
68 nF			± 10%	C1608X7R1H683K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H683M080AA			
			± 10%	C1005X7R1H104K050BB	C1005X7R1V104K050BB	C1005X7R1E104K050BB	C1005X7R1C104K050E
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H104M050BB	C1005X7R1V104M050BB	C1005X7R1E104M050BB	C1005X7R1C104M050E
			± 10%	C1608X7R1H104K080AA	C 1000/(1111 104IVI000DD	C1608X7R1E104K080AA	3 1000// 11 10 104W1000L
100 nF	1608	$0.80 \pm 0.10$					
			± 20%	C1608X7R1H104M080AA		C1608X7R1E104M080AA	
	2012	0.85 ± 0.15	± 10%	C2012X7R1H104K085AA			
	· <del>-</del>		± 20%	C2012X7R1H104M085AA			
	1005	$0.50 \pm 0.05$	± 10%			,	C1005X7R1C154K050E
	1000		± 20%				C1005X7R1C154M050E
150 pE	1609	0.90 - 0.10	± 10%	C1608X7R1H154K080AB	C1608X7R1V154K080AB	C1608X7R1E154K080AA	
150 nF	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H154M080AB	C1608X7R1V154M080AB	C1608X7R1E154M080AA	
•	0010	0.05 0.5	± 10%	C2012X7R1H154K085AA		,	
	2012	$0.85 \pm 0.15$	± 20%	C2012X7R1H154M085AA			







Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number	Detect Velters Eds. OF '	Detect Velter - Ed. Of /	Dated \/alt=== Ed=: 40\/
	(111111)		Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
2012	$1.25 \pm 0.20$					
			C2012X/R1H154W125AA			C100EVZD1C004K0E0DC
1005	$0.50 \pm 0.05$					C1005X7R1C224K050BC
			04000VZD4LI004K000AD	04000VZD4V004V000AD	04000VZD4E004V00040	C1005X7R1C224M050BC
1608	$0.80 \pm 0.10$					C1608X7R1C224K080AC
				C 1608X7R TV224M080AB	C1608X7R1E224M080AC	C1608X7R1C224M080AC
2012	$1.25 \pm 0.20$					
3216	$1.15 \pm 0.15$					
				0.1000\/754\/004\/00045	0.1000\/754500.4\/000.40	01000/7510001/00016
1608	$0.80 \pm 0.10$			1		C1608X7R1C334K080AC
				C 1608X/R 1V334M080AB	C 1608X/R 1E334M080AC	C1608X7R1C334M080A0
2012	1.25 ± 0.20					
				,		
3216	1.60 ± 0.20					
1608	$0.80 \pm 0.10$					C1608X7R1C474K080AC
						C1608X7R1C474M080A0
2012	1.25 ± 0.20					
				C2012X7R1V474M125AB	C2012X7R1E474M125AA	
3216	1.60 ± 0.20					
			C3216X7R1H474M160AA			
1608	$0.80 \pm 0.10$					C1608X7R1C684K080A0
						C1608X7R1C684M080A0
2012	1 25 + 0 20					C2012X7R1C684K125AA
				C2012X7R1V684M125AB	C2012X7R1E684M125AB	C2012X7R1C684M125A
3216	1.60 + 0.20					
0210	1.00 ± 0.20		C3216X7R1H684M160AA	,		
1608	0.80 + 0.10			C1608X7R1V105K080AC	C1608X7R1E105K080AB	C1608X7R1C105K080A0
	0.00 = 0.10					C1608X7R1C105M080A0
	0.85 + 0.15	± 10%	C2012X7R1H105K085AC	C2012X7R1V105K085AB	C2012X7R1E105K085AB	C2012X7R1C105K085AA
2012		± 20%	C2012X7R1H105M085AC	C2012X7R1V105M085AB	C2012X7R1E105M085AB	C2012X7R1C105M085A
2012		± 10%	C2012X7R1H105K125AB	C2012X7R1V105K125AB	C2012X7R1E105K125AB	C2012X7R1C105K125A
	1.20 ± 0.20	± 20%	C2012X7R1H105M125AB	C2012X7R1V105M125AB	C2012X7R1E105M125AB	C2012X7R1C105M125A0
	0.85 + 0.15	± 10%			C3216X7R1E105K085AA	
3216		± 20%			C3216X7R1E105M085AA	
0210		± 10%	C3216X7R1H105K160AB		C3216X7R1E105K160AA	
	1.00 ± 0.20	± 20%	C3216X7R1H105M160AB		C3216X7R1E105M160AA	
3225	1.60 + 0.20	± 10%	C3225X7R1H105K160AA			
0220	1.00 ± 0.20	± 20%	C3225X7R1H105M160AA			
1532	1 60 ± 0 20	± 10%	C4532X7R1H105K160KA			
4002	1.00 ± 0.20	± 20%	C4532X7R1H105M160KA			
2012	1 25 ± 0 20	± 10%	C2012X7R1H155K125AC	C2012X7R1V155K125AB	C2012X7R1E155K125AB	C2012X7R1C155K125AE
2012	1.23 ± 0.20	± 20%	C2012X7R1H155M125AC	C2012X7R1V155M125AB	C2012X7R1E155M125AB	C2012X7R1C155M125AE
2216	1.60 + 0.20	± 10%	C3216X7R1H155K160AB	C3216X7R1V155K160AB	C3216X7R1E155K160AA	
3210	1.00 ± 0.20	± 20%	C3216X7R1H155M160AB	C3216X7R1V155M160AB	C3216X7R1E155M160AA	
2005	0.00 . 0.00	± 10%	C3225X7R1H155K200AA			
3225	2.00 ± 0.20	± 20%	C3225X7R1H155M200AA			
	0.85 +0.15/-0.25	± 10%			C2012X7R1E225K085AB	
	0.05 0.15	± 10%		C2012X7R1V225K085AC		C2012X7R1C225K085AE
2012	$0.85 \pm 0.15$	± 20%		C2012X7R1V225M085AC	C2012X7R1E225M085AB	C2012X7R1C225M085AE
		± 10%	C2012X7R1H225K125AC	C2012X7R1V225K125AB	C2012X7R1E225K125AB	C2012X7R1C225K125AE
	$1.25 \pm 0.20$	± 20%	C2012X7R1H225M125AC	C2012X7R1V225M125AB	C2012X7R1E225M125AB	C2012X7R1C225M125AE
			C3216X7R1H225K160AB	C3216X7R1V225K160AB	C3216X7R1E225K160AA	
3216	$1.60 \pm 0.20$			C3216X7R1V225M160AB		
3225	$2.00 \pm 0.20$			,		
3220	2.50 ± 0.30	± 10%	C3225X7R1H225K250AB			
	2.00 ± 0.00	- 10/0	JOELONTTHIELDINZOUAD			
		± 10%	C4532X7R1H225K160KA			
	1005 1608 2012 3216 1608 2012 3216 1608 2012 3216 1608 2012 3216 1608 2012 3216 1608 2012 3216 1608 2012 3216 3216 3225 2012	2012	$     \begin{array}{ccccccccccccccccccccccccccccccccc$	2012 1.25 ± 0.20 ± 10% C2012X7R1H154K125AA  1005 0.50 ± 0.05 ± 10%  1608 0.80 ± 0.10 ± 10% C1608X7R1H224K080AB  2012 1.25 ± 0.20 ± 10% C2012X7R1H224K125AA  2012 1.25 ± 0.20 ± 10% C2012X7R1H224K125AA  2013 1.15 ± 0.15 ± 10% C2012X7R1H224K125AA  2014 1.25 ± 0.20 ± 20% C2012X7R1H224K115AA  2016 1.15 ± 0.15 ± 10% C3216X7R1H224M15AA  2017 1.25 ± 0.20 ± 10% C2012X7R1H334K125AA  2018 1.60 ± 0.20 ± 10% C2012X7R1H334K125AA  2019 1.25 ± 0.20 ± 10% C2012X7R1H334K125AA  2010 1.25 ± 0.20 ± 10% C2012X7R1H334K125AA  2011 1.25 ± 0.20 ± 10% C2012X7R1H334K125AA  2012 1.25 ± 0.20 ± 10% C3216X7R1H334K126AA  2013 1.60 ± 0.20 ± 10% C3216X7R1H334K126AA  2014 1.60 ± 0.20 ± 20% C3216X7R1H334K126AA  2015 1.25 ± 0.20 ± 10% C2012X7R1H334K126AA  2016 1.60 ± 0.20 ± 20% C3216X7R1H474K126AB  2017 1.25 ± 0.20 ± 20% C3216X7R1H474K160AA  2018 1.60 ± 0.20 ± 20% C3216X7R1H474K160AA  2019 1.25 ± 0.20 ± 10% C3216X7R1H684K125AB  2010 1.25 ± 0.20 ± 20% C3216X7R1H474K160AA  2011 1.25 ± 0.20 ± 20% C3216X7R1H474K160AA  2012 1.25 ± 0.20 ± 10% C3216X7R1H684K125AB  2012 1.25 ± 0.20 ± 10% C3216X7R1H684K160AA  2013 1.60 ± 0.20 ± 20% C3216X7R1H684K160AA  2014 1.60 ± 0.20 ± 10% C3216X7R1H684K160AA  2015 1.60 ± 0.20 ± 10% C3216X7R1H684K160AA  2016 1.60 ± 0.20 ± 10% C3216X7R1H684K160AA  2017 1.25 ± 0.20 ± 10% C3216X7R1H684K160AA  2018 1.60 ± 0.20 ± 10% C3216X7R1H684K160AA  2019 1.25 ± 0.20 ± 10% C3216X7R1H684K160AA  2010 1.25 ± 0.20 ± 10% C3216X7R1H105K160AB  2010 1.25 ± 0.20 ± 10% C3216X7R1H105K160AB  2011 1.50 ± 0.20 ± 10% C3216X7R1H105K160AB  2012 1.25 ± 0.20 ± 10% C3225X7R1H105K160AB  2013 1.60 ± 0.20 ± 10% C3225X7R1H105K160AB  2014 1.50 ± 0.20 ± 10% C3225X7R1H105K160AB  2015 1.60 ± 0.20 ± 10% C3225X7R1H105K160AB  2016 1.60 ± 0.20 ± 10% C3225X7R1H105K160AB  2017 1.25 ± 0.20 ± 20% C3225X7R1H105K160AB  2018 2.00 ± 20% C3225X7R1H105K160AB  2019 2.00 ± 20% C3225X7R1H105K160AB  2020 C3225X7R1H105K160AB  2020 C3225X7R1H1155K160AB  2020 C3225X7R1H1155K160AB  2020 C3225X7R1H155K160AB  2020 C3225X7R1H155K160AB  2020 C3225X7R1H125SK160AB  2020 C3216X7R1H225K160AB  20	1.25 ± 0.20	1.25 ± 0.20







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		()	± 10%	Rated Voltage Edc. 50V	C2012X7R1V335K125AC	C2012X7R1E335K125AB	C2012X7R1C335K125AE
	2012	$1.25 \pm 0.20$	± 10%		C2012X7R1V335M125AC	C2012X7R1E335M125AB	C2012X7R1C335M125AE
			± 10%	C3216X7R1H335K160AC	C3216X7R1V335K160AB	C3216X7R1E335K160AC	02012X/1110333W123AI
	3216	$1.60 \pm 0.20$	± 20%	C3216X7R1H335M160AC	C3216X7R1V335M160AB	C3216X7R1E335M160AC	
			± 10%	002100711111000111100710	GOZTOXITTIVOGGIVITOOND	C3225X7R1E335K160AA	
3.3 µF		$1.60 \pm 0.20$	± 20%			C3225X7R1E335M160AA	
	3225 -		± 10%	C3225X7R1H335K250AB		COZZONTITEOGOWITOOAA	
		$2.50 \pm 0.30$	± 10%	C3225X7R1H335M250AB			
			± 20%	C4532X7R1H335K200KA			
	4532	$2.00 \pm 0.20$	± 10%	C4532X7R1H335M200KA			
			± 10%	04332X7111113331VIZ001XA	C2012X7R1V475K125AC	C2012X7R1E475K125AB	C2012X7R1C475K125Al
	2012	$1.25 \pm 0.20$	± 10%		C2012X7R1V475K125AC	C2012X7R1E475K125AB	C2012X7R1C475M125A
			± 10%		C3216X7R1V475K085AC	C3216X7R1E475K085AB	C3216X7R1C475K085A
		$0.85 \pm 0.10$	± 10%		C3216X7R1V475M085AC	C3216X7R1E475M085AB	C3216X7R1C475M085A
	3216 -		± 10%	C3216X7R1H475K160AC	C3216X7R1V475K160AB	C3216X7R1E475K160AC	C3216X7R1C475K160Al
		$1.60 \pm 0.20$	± 10% ± 20%	C3216X7R1H475M160AC	C3216X7R1V475K160AB	C3216X7R1E475M160AC	C3216X7R1C475M160A
			± 20%	C32 10X/H 11 14/310 100AC	C3210A7H1V473W1100AB	C3225X7R1E475K200AA	C3210X/H1C4/3W100A
4.7 µF		$2.00 \pm 0.20$	± 10%			C3225X7R1E475M200AA	
4.7 μι	3225 -		± 20%	C3225X7R1H475K250AB		03223X7H1L473W20UAA	
		$2.50 \pm 0.30$	± 10%	C3225X7R1H475M250AB			
			± 20% ± 10%	C4532X7R1H475K200KB			
	4532	$2.00 \pm 0.20$				C4E20V7D1E47EM200VA	
			± 20%	C4532X7R1H475M200KB		C4532X7R1E475M200KA	
	F7F0	$2.00 \pm 0.20$	± 10%	C5750X7R1H475K200KA C5750X7R1H475M200KA			
	5750	2.90 . 0.30	± 20%	C5750X7R1H475M280KA			
		2.80 ± 0.30	± 20%	C5/50X/R1H4/5W28UNA	C2010VZD1VC0EV100AC	C2010V7D1E00EV100AD	C2010V7D1C00EV100A
	3216	$1.60 \pm 0.20$	± 10%		C3216X7R1V685K160AC	C3216X7R1E685K160AB	C3216X7R1C685K160A
			± 20%		C3216X7R1V685M160AC	C3216X7R1E685M160AB	C3216X7R1C685M160A
	3225	$2.50 \pm 0.30$	± 10%			C3225X7R1E685K250AB	
6.8 µF			± 20%	C4F20VZD4LIC0FI/OF0VD		C3225X7R1E685M250AB	
	4532	$2.50 \pm 0.30$	± 10%	C4532X7R1H685K250KB			
			± 20%	C4532X7R1H685M250KB			
	5750	$2.50 \pm 0.30$	± 10%	C5750X7R1H685K250KA C5750X7R1H685M250KA			
			± 20%	C3730X/H [H083]VIZ30KA	C2216V7P1V106V160AC	C2216V7D1E106V160AD	C2016V7D1C106V160A0
	3216	$1.60 \pm 0.20$	± 10%		C3216X7R1V106K160AC	C3216X7R1E106K160AB	C3216X7R1C106K160A
			± 20%		C3216X7R1V106M160AC	C3216X7R1E106M160AB	C3216X7R1C106M160A
		$2.00 \pm 0.20$	± 10%				C3225X7R1C106K200Al
	3225 -		± 20%			C222EV7D4E40CV2E0AC	C3225X7R1C106M200A
		$2.50 \pm 0.30$	± 10%	000057704114001405040		C3225X7R1E106K250AC	
10			± 20%	C3225X7R1H106M250AC		C3225X7R1E106M250AC	C4F20V7D1C10CK020K
10 μF		$2.30 \pm 0.20$	± 10%				C4532X7R1C106K230K/
	4532 -		± 20%			0.4500\/7545400\/050\/.4	C4532X7R1C106M230K
		$2.50 \pm 0.30$	± 10%			C4532X7R1E106K250KA	
		0.00 0.00	± 20%			C4532X7R1E106M250KA	
	-750	2.00 ± 0.20	± 20%	OEZEOVZD4LH00K000KD		C5750X7R1E106M200KA	
	5750	$2.30 \pm 0.20$	± 10%	C5750X7R1H106K230KB			
			± 20%	C5750X7R1H106M230KB		,	000057/2010150140504
	3225	2.50 ± 0.30	± 20%			0.5500/50/5/50/4050/60	C3225X7R1C156M250Al
15 μF	4532 -	2.50 ± 0.30	± 20%			C4532X7R1E156M250KC	
		2.80 ± 0.30	± 20%			C4532X7R1E156M280KB	
	5750	2.30 ± 0.20	± 20%			C5750X7R1E156M230KA	000051/55100001/0501
	3225	$2.50 \pm 0.30$	± 10%				C3225X7R1C226K250A
			± 20%				C3225X7R1C226M250A
		2.00 ± 0.20	± 20%				C4532X7R1C226M200K
22 µF	4532	2.30 ± 0.20	± 20%				C4532X7R1C226M230K
		2.50 ± 0.30	± 20%			C4532X7R1E226M250KC	
	5750 -	2.50 ± 0.30	± 20%			C5750X7R1E226M250KA	
		2.80 ± 0.30	± 20%				C5750X7R1C226M280K
33 µF	4532	$2.50 \pm 0.30$	± 20%	,			C4532X7R1C336M250K
оо рі	5750	2.00 ± 0.20	± 20%				C5750X7R1C336M200KI
47 µF	5750	2.30 ± 0.20	± 20%				C5750X7R1C476M230KI





### Class 2 (Temperature Stable)

Capacitance	Size	Thickness	Capacitance	TDK Part Number		
Japacitance	Size	(mm)	Tölerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
100 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A101K020BC	C0402X7R0J101K020BC	C0402X7R0G101K020B0
100 pi	0402	0.20 ± 0.02	± 20%	C0402X7R1A101M020BC	C0402X7R0J101M020BC	C0402X7R0G101M020B0
150 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A151K020BC	C0402X7R0J151K020BC	C0402X7R0G151K020B0
100 pi	0.20 1 0.02		± 20%	C0402X7R1A151M020BC	C0402X7R0J151M020BC	C0402X7R0G151M020B0
220 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A221K020BC	C0402X7R0J221K020BC	C0402X7R0G221K020B0
	0402 0.20 ± 0.02		± 20%	C0402X7R1A221M020BC	C0402X7R0J221M020BC	C0402X7R0G221M020B0
330 pF	0402 0.20 ± 0.02		± 10%	C0402X7R1A331K020BC	C0402X7R0J331K020BC	C0402X7R0G331K020B0
			± 20%	C0402X7R1A331M020BC	C0402X7R0J331M020BC	C0402X7R0G331M020B0
470 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A471K020BC	C0402X7R0J471K020BC	C0402X7R0G471K020B0
о р.			± 20%	C0402X7R1A471M020BC	C0402X7R0J471M020BC	C0402X7R0G471M020B0
680 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A681K020BC	C0402X7R0J681K020BC	C0402X7R0G681K020B0
			± 20%	C0402X7R1A681M020BC	C0402X7R0J681M020BC	C0402X7R0G681M020B0
1 nF	0402	0.20 ± 0.02	± 10%	C0402X7R1A102K020BC		
	0 102	0.20 1 0.02	± 20%	C0402X7R1A102M020BC		
1.5 nF	0402	0.20 ± 0.02	± 10%	C0402X7R1A152K020BC		
1.0 111	0 102	0.20 1 0.02	± 20%	C0402X7R1A152M020BC		
2.2 nF	0603	0.30 ± 0.03	± 10%	C0603X7R1A222K030BA	C0603X7R0J222K030BA	
2,2111		0.00 ± 0.00	± 20%	C0603X7R1A222M030BA	C0603X7R0J222M030BA	
4.7 nF	0603	0.30 ± 0.03	± 10%	C0603X7R1A472K030BA	C0603X7R0J472K030BA	
1.7 111			± 20%	C0603X7R1A472M030BA	C0603X7R0J472M030BA	
10 nF	0603	0.30 ± 0.03	± 10%	C0603X7R1A103K030BA	C0603X7R0J103K030BA	
10111			± 20%	C0603X7R1A103M030BA	C0603X7R0J103M030BC	
100 nF	1005	0.50 ± 0.05	± 10%	C1005X7R1A104K050BB		
150 nF	1005	0.50 ± 0.05	± 10%	C1005X7R1A154K050BB		
100 111	1000	0.00 ± 0.00	± 20%	C1005X7R1A154M050BB		
220 nF	1005	0.50 ± 0.05	± 10%	C1005X7R1A224K050BB		
220111	1000	0.00 ± 0.00	± 20%	C1005X7R1A224M050BB		
680 nF	1608	0.80 +0.15/-0.10	± 10%	C1608X7R1A684K080AC		
000 111	1000	0.00 10.10, 0.10	± 20%	C1608X7R1A684M080AC		
1 µF	1608	0.80 +0.15/-0.10	± 10%	C1608X7R1A105K080AC		
ι μι	1000	0.00 10.10/ 0.10	± 20%	C1608X7R1A105M080AC		
1.5 µF	1608	0.80 ± 0.10	± 10%	C1608X7R1A155K080AC	C1608X7R0J155K080AB	
1.0 μι	1000	0.00 ± 0.10	± 20%	C1608X7R1A155M080AC	C1608X7R0J155M080AB	
2.2 µF	1608	0.80 ± 0.10	± 10%	C1608X7R1A225K080AC	C1608X7R0J225K080AB	
Ζ.Ζ μι	1000	0.00 ± 0.10	± 20%	C1608X7R1A225M080AC	C1608X7R0J225M080AB	
3.3 µF	2012	1.25 ± 0.20	± 10%	C2012X7R1A335K125AC		
υ.υ μι	2012	1.25 ± 0.20	± 20%	C2012X7R1A335M125AC		
		0.85 ± 0.15	± 10%	C2012X7R1A475K085AC	C2012X7R0J475K085AB	
4.7 µF	2012	0.05 ± 0.15	± 20%	C2012X7R1A475M085AC	C2012X7R0J475M085AB	
4.7 μι	2012	1.25 ± 0.20	± 10%	C2012X7R1A475K125AC		
		1.20 ± 0.20	± 20%	C2012X7R1A475M125AC		
6.8 µF	2012	1.25 ± 0.20	± 10%	C2012X7R1A685K125AC	C2012X7R0J685K125AB	
υ.υ μι	2012	1.20 £ 0.20	± 20%	C2012X7R1A685M125AC	C2012X7R0J685M125AB	
	2012	1.25 ± 0.20	± 10%	C2012X7R1A106K125AC	C2012X7R0J106K125AB	
	2012	1.20 ± 0.20	± 20%	C2012X7R1A106M125AC	C2012X7R0J106M125AB	
10 uE	10 uE	0.85 ± 0.10	± 10%	C3216X7R1A106K085AC	C3216X7R0J106K085AB	
10 μF	2216		± 20%	C3216X7R1A106M085AC	C3216X7R0J106M085AB	
	3216		± 10%	C3216X7R1A106K160AC		
		1.60 ± 0.20	± 20%	C3216X7R1A106M160AC		
22 LE	2225	2 20 + 0 20	± 10%	C3225X7R1A226K230AC		
22 µF	3225	2.30 ± 0.20	± 20%	C3225X7R1A226M230AC		





### Class 2 (Temperature Stable)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	TDK Part Number Rated Voltage Edc: 50V	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
22 nF	0603	0.30 ± 0.03	± 10%		C0603X7S1A223K030BC	C0603X7S0J223K030BB	
22 111	0003	0.30 ± 0.03	± 20%		C0603X7S1A223M030BC	C0603X7S0J223M030BB	
47 nF	0603	0.30 ± 0.03	± 10%		C0603X7S1A473K030BC	C0603X7S0J473K030BB	
47 111	0000	0.50 ± 0.05	± 20%		C0603X7S1A473M030BC	C0603X7S0J473M030BB	
100 nF	0603	0.30 ± 0.03	± 10%		C0603X7S1A104K030BC		C0603X7S0G104K030B
100111	0000	0.00 ± 0.00	± 20%		C0603X7S1A104M030BC		C0603X7S0G104M030B
150 nF	0603	0.30 ± 0.05	± 10%			C0603X7S0J154K030BC	
100 111	0000	0.00 ± 0.00	± 20%			C0603X7S0J154M030BC	
		0.30 ± 0.03	± 10%				C0603X7S0G224K030B
220 nF	0603		± 20%				C0603X7S0G224M030E
ZZO III	0000	0.30 ± 0.05	± 10%			C0603X7S0J224K030BC	
			± 20%			C0603X7S0J224M030BC	
330 nF	1005	0.50 ± 0.05	± 10%		C1005X7S1A334K050BC	C1005X7S0J334K050BC	
			± 20%		C1005X7S1A334M050BC	C1005X7S0J334M050BC	
470 nF	1005	0.50 ± 0.05	± 10%		C1005X7S1A474K050BC	C1005X7S0J474K050BB	
- ***			± 20%		C1005X7S1A474M050BC	C1005X7S0J474M050BB	
680 nF	1005	0.50 ± 0.05	± 10%		C1005X7S1A684K050BC	C1005X7S0J684K050BC	C1005X7S0G684K050B
			± 20%		C1005X7S1A684M050BC	C1005X7S0J684M050BC	C1005X7S0G684M050E
1 μF	1005	0.50 ± 0.05	± 10%		C1005X7S1A105K050BC	C1005X7S0J105K050BC	C1005X7S0G105K050B
F-1			± 20%		C1005X7S1A105M050BC	C1005X7S0J105M050BC	C1005X7S0G105M050E
		0.50 +0.15/-0.10	± 10%		C1005X7S1A155K050BC		
		0.50 ± 0.05	± 10%				C1005X7S0G155K050E
1.5 µF	1005		± 20%				C1005X7S0G155M050E
		$0.50 \pm 0.10$	± 10%			C1005X7S0J155K050BC	
			± 20%			C1005X7S0J155M050BC	
		0.50 ± 0.15	± 20%		C1005X7S1A155M050BC		
		0.50 ± 0.10	± 10%			C1005X7S0J225K050BC	
			± 20%			C1005X7S0J225M050BC	
	1005	0.50 +0.10/-0.15	± 10%		C1005X7S1A225K050BC		
2.2 µF		0.50 ± 0.05	± 10%				C1005X7S0G225K050E
			± 20%				C1005X7S0G225M050E
		0.50 ± 0.10	± 20%		C1005X7S1A225M050BC	0.1000/2001005/20010	
	1608	0.80 ± 0.10	± 10%		C1608X7S1A225K080AC	C1608X7S0J225K080AB	
			± 20%		C1608X7S1A225M080AC	C1608X7S0J225M080AB	0.1000\/=00000000
		0.80 ± 0.10	± 10%			C1608X7S0J335K080AC	C1608X7S0G335K080A
3.3 µF	1608		± 20%			C1608X7S0J335M080AC	C1608X7S0G335M080A
		0.80 ± 0.20	± 10%		C1608X7S1A335K080AC		
			± 20%		C1608X7S1A335M080AC		0.1000\/=000\/=1/000
		0.80 ± 0.10	± 10%			C1608X7S0J475K080AC	C1608X7S0G475K080A
4.7 µF	1608		± 20%		0.10001/2011 1251/20010	C1608X7S0J475M080AC	C1608X7S0G475M080A
		0.80 ± 0.20	± 10%		C1608X7S1A475K080AC		
			± 20%		C1608X7S1A475M080AC	04000\700 1005\7000	04000\700005\600
	1608	0.80 ± 0.20	± 10%			C1608X7S0J685K080AC	C1608X7S0G685K080A
6.8 µF			± 20%	C000EV704L100EV0E0 A D		C1608X7S0J685M080AC	C1608X7S0G685M080A
	3225	2.50 ± 0.30	± 10%	C3225X7S1H685K250AB			
	1600	0.90 : 0.00	± 20%	C3225X7S1H685M250AB		C1600V760 I100M000A0	C1600V760C106M000A
	1608	0.80 ± 0.20	± 20%			C1608X7S0J106M080AC	C1608X7S0G106M080A
10	2012	0.85 ± 0.15	± 10%			C2012X7S0J106K085AC	C2012X7S0G106K085A
10 μF			± 20%	C200EV704LH00K0E0AD		C2012X7S0J106M085AC	C2012X7S0G106M085A
	3225	2.50 ± 0.30	± 10%	C3225X7S1H106K250AB			
	0010	1.05 0.00	± 20%	C3225X7S1H106M250AB	C0010V7C1A150M10540	C0040V700 1450M405 4 0	000107700015081051
15 µF	2012	1.25 ± 0.20	± 20%		C2012X7S1A156M125AC	C2012X7S0J156M125AC	C2012X7S0G156M125A
•	3216	1.60 ± 0.20	± 20%		C3216X7S1A156M160AC	C3216X7S0J156M160AB	00040V700000011:05
22 µF	2012	1.25 ± 0.20	± 20%		C2012X7S1A226M125AC	C2012X7S0J226M125AC	C2012X7S0G226M125A
	3216	1.60 ± 0.20	± 20%		C3216X7S1A226M160AC	C3216X7S0J226M160AB	00040\/700000000
33 µF	3216	1.60 ± 0.20	± 20%			C3216X7S0J336M160AC	C3216X7S0G336M160A
47 µF	3216	1.60 ± 0.20	± 20%			C3216X7S0J476M160AC	C3216X7S0G476M160A
	3225	$2.50 \pm 0.30$	± 20%			C3225X7S0J476M250AC	